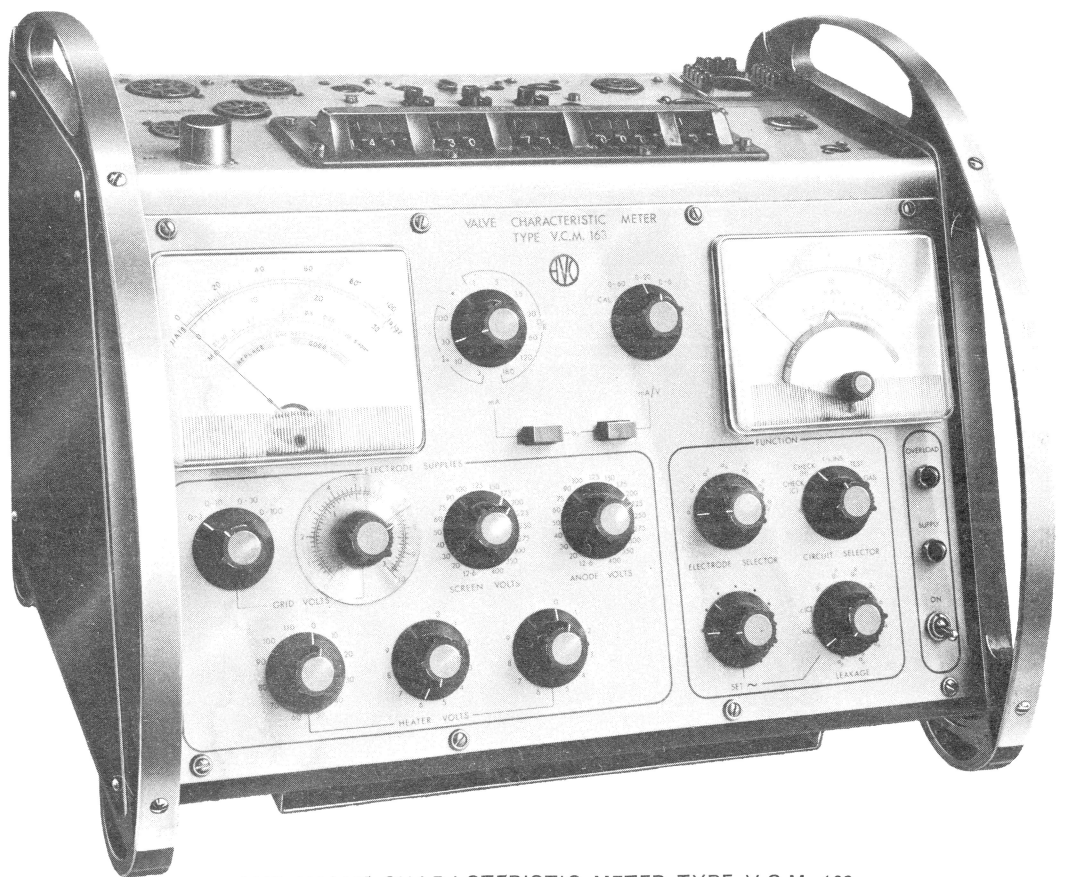




**AVO
VALVE
DATA
MANUAL
FOR
TYPE
VCM.163**



**AVO
VALVE
DATA
MANUAL
FOR
TYPE
VCM.163**



AVO VALVE CHARACTERISTIC METER TYPE V.C.M. 163

VALVE DATA MANUAL – VCM 163

AMENDMENTS

The following amendments should be made to existing data:

Page 10 Valve Type 5A/180M Selector Switch No. should read 415 238 150 0000
 Page 71 Valve Type CCH35 " " " " " {020 048 310 0000}
 Page 86 Valve Type ECH81 " " " " " {028 750 310 0000}
 Valve Type ECL80 Type TH should read Type TP
 Valve Type ECL86 Selector Switch No. should read 417 238 158-0000

Recent additions to our data are listed below. Reference should be made to this data if the valve type required does not appear in the main listing.

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _i	V _{g1}	V _a	V _{g2}	I _a mA	gm mA/V	ADDENDA	BASE	TYPE
1LA4	387 004 020 0000	00	1.4	4.5	90	90	4	0.85		B8B	P
4HA7	281 100 005 8430	00	4.2	{ 8.5 2	250 250		10.5 1.2	2.2 1.6		{ A12	TT
5A/180M	287 104 130 0000	00	6.3	1	180	150	26	32		B8B	P
5HA7	281 100 005 8430	00	5.6	{ 8.5 2	250 250		10.5 1.2	2.2 1.6		{ A12	TT
6AG11	219 148 851 X130	00	6.3	1	125		7.5	7.8		A12	DDTT
6BN11	214 780 517 0830	00	6.3	0.8	150	125	11	14		A12	PP
6BW11	214 780 087 1530	00	6.3	0.8	150	125	11	14		A12	PP
6D10	281 181 506 8430	00	6.3	1	125		4.2	4.2		A12	TTT
6HB5	274 100 800 1430	00	6.3	20	125	125	50	9.1		A12	P
6J10	271 807 518 0430	00	6.3	{ 12.5 1	250 60	250 60	45 0.5	4.1 1		{ A12	PP
6J11	278 041 718 0530	00	6.3	0.8	150	125	11	14		A12	PP
6JS6A	217 040 000 0730	80	6.3	25	175	125	125	11.3		A12	P
6JZ6	217 040 000 0030	80	6.3	20	125	125	46	9		A12	P
6KD6	217 040 004 0730	80	6.3	22.5	150	110	120	14		A12	P
6M11	267 158 841 0830	00	6.3	{ 2 0.8	250 150		10 125	5.5 11		{ A12	TTP
8BM11	287 015 871 4300	00	6.3	{ 1 0.9	100 150	125 125	14 12	8 9.8		{ A12	PP
8BU11	218 415 867 8130	00	7.8	{ 1 1	125 125		13.5 12	8.6 7.5		{ A12	TTP
12BF11	215 017 841 7830	00	12.6	{ 6 1.8	150 150	100 100	38 1.3	8.6 1		{ A12	PP
21HB5A	274 100 800 1430	00	21	20	130	130	46	9		A12	P
21JV6	217 000 800 0430	00	21	20	130	130	50	9.1		A12	P
21JZ6	217 040 000 0030	80	21	20	125	125	46	9		A12	P
23Z9	285 080 067 4830	00	23	{ 2 5 8	150 150 120		5.4 5.5 46	3.9 2.4 7.1		{ A12	TTP
31JS6A	217 040 000 0730	80	31.5	25	175	125	125	11.3		A12	P
33GY7	290 180 014 4730	00	33.6	22.5	130	130	48	6.5		A12	DP
38HK7	290 180 014 0730	00	37.8	22	130	130	60	8.8		A12	DP
40KD6	217 040 004 0730	80	40	22.5	150	110	120	14		A12	P
A15526	110 101 000 0230	80	6.3	0	200		15	18		NV	T
7489	841 228 513 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
DDPP6S	023 19X 780 0000	40	6.3	5	250	250	36	10		8SC	DDP
ECH200	114 723 851 8000	00	6.3	{ 1 2	100 100		9.5 12.6	8.5 0.8		{ B10B	TP
PCF201	114 123 878 5000	00	8	{ 1.5 1	160 100	110	13	12		{ B10B	TP
PCH200	114 723 851 8000	00	9	{ 1 12.6	100 12.6		9.5 12.6	8.5 0.8		{ B10B	TH
PLL80	748 235 187 0000	00	12	9	250	250	24	6		B9A	PP

FOREWORD

This data manual is primarily intended for use with the Avo Valve Characteristic Meter, Type VCM 163, but once the Selector Switch code is understood, the manual also forms a quick and convenient guide for general use.

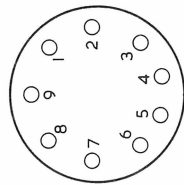
The Instruction Book which accompanies the instrument should be thoroughly studied before the data contained in this manual is used.

The return of the enclosed postcard will enable us to inform you when new issues become available.

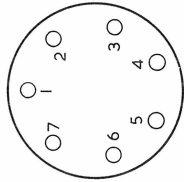
IMPORTANT — In the interests of accuracy, it is not recommended that these instruments should be used with a constant voltage transformer, unless it is known that the 3rd and 5th harmonic content is of a negligible proportion.

Whilst every care has been taken in the preparation of this manual to ensure that the data given is correct, the Company cannot accept any responsibility for damage caused to a valve under test, or the instrument, due to the inclusion of incorrect information.

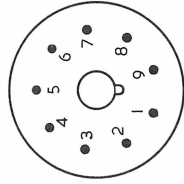
DIAGRAM OF STANDARD PIN CONNECTIONS (viewed from underside of base)



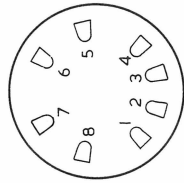
BRITISH NINE PIN (B9)



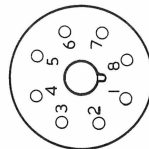
BRITISH SEVEN PIN (B7)



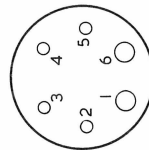
B9G



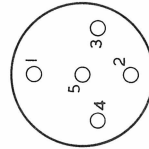
P TYPE BASE (BSC)



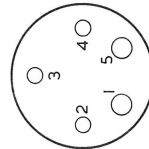
INTERNATIONAL OCTAL (AOB)



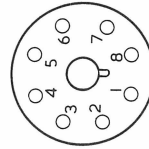
AMERICAN SIX PIN (UX6)



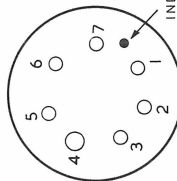
BRITISH 4/5 PIN (B5 & B4)



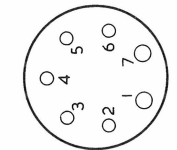
AMERICAN 5 PIN (UX5)



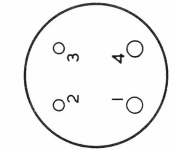
MAZDA OCTAL (MOB)



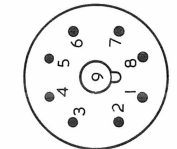
B7A



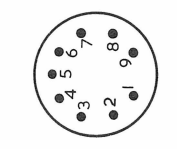
AMERICAN SMALL SEVEN PIN (SM7)



AMERICAN FOUR PIN (UX4)



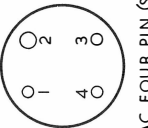
AMERICAN OCTAL (BBB OR B8G)



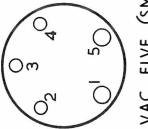
B9D



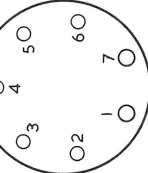
SUB MINIATURE 8 PIN (B8D)



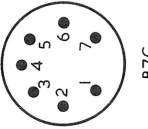
HIVAC FOUR PIN (SM4)



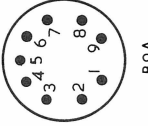
HIVAC FIVE (SM5)



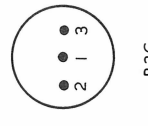
AMERICAN SEVEN PIN (UX7)



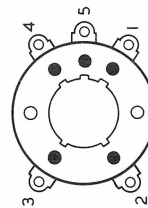
B7G



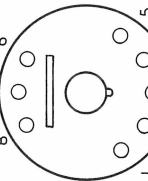
B9A



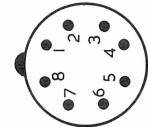
B3G



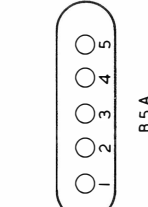
5AA & 7AA (ACORN VALVE)



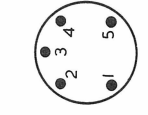
B8A



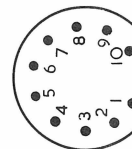
B8A



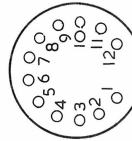
B5A



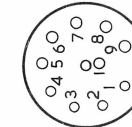
B5B



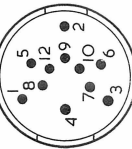
B10B



A12



A10



NUVISTOR (NV5 & NV7)

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
0Z4	008 080 101 0000	00			250		58		Ra = 3kΩ	A08	CCR
00	384 200 000 0000	00	5	1	40		1.0	0.66		UX4	T
00A	384 200 000 0000	00	5	0	40		1.5	0.66		UX4	T
01	384 200 000 0000	00	5	4.5	90		2.5			UX4	T
01A	384 200 000 0000	00	5	9	150		3	0.8		UX4	T
01AA	384 200 000 0000	00	5	4.5	90		3.2	0.9		UX4	T
01B	384 200 000 0000	00	5	4.5	90		2.5	0.72		UX4	T
06F90	873 420 000 0000	00	0.6	1.1	20	20	.05	0.1		B5A	P
054V	842 310 000 0000	00	4		100			4		B5	T
084	842 300 000 0000	00	4	2.0	150		4.0	1.4		B4	T
1	291 300 000 0000	00	6				60			UX4	R
1A3	291 009 300 0000	00	1.4							B7G	D
1A4	387 200 000 0000	40	2	3	150	75	2.2	0.6		UX4	P
1A4E	387 200 000 0000	40	2	3	150	75	2.2	0.6		UX4	P
1A4P	387 200 000 0000	40	2	3	90	75	2.2	0.7		UX4	P
1A4T	287 300 000 0000	40	2	3	150	75	2.2	0.6		UX4	P
1A5	038 740 200 0000	00	1.4	4.5	90	90	4	0.85		A08	P
1A6	288 473 000 0000	40	2	0	150	75	3	0.4		UX6	P
1A7	9X2 300 000 0000	00	4				60			B4	RR
1A7	028 748 300 0000	40	1.4	0	90	50	1.8	0.5		A08	H
1A8	328 748 290 0000	40	1.4		90	90	1.2	0.7		A08	DTP
1AB5	387 004 220 0000	00	1.2	1.5	150	150	6.8	1.35		B8B	P
1AB6	287 481 300 0000	00	1.4	4.1	60	60	1.65	0.1		B7G	H
1AC5	040 230 870 0000	00	1.2	4.5	60	60	2.0	0.75		B8D	P
1AC6	288 484 300 0000	00	1.4	4.0	60		4	2.2		B7G	H
1AD2	200 000 000 0030	90	1.25				30			A12	R
1AD4	872 430 000 0000	00	1.2	1.6	90	90	5.7	2.3		B5A	P
1AD5	040 230 870 0000	00	1.2	3.0	60	60	1.85	0.73		B8D	P
1AE4	287 024 300 0000	00	1.2	0	90	90	3.5	1.55		B7G	P
1AE5	842 473 000 0000	00	1.2		40	40	0.9	0.2		B5A	P
1AF4	287 024 300 0000	00	1.4	0	90	90	1.65	0.95		B7G	P
1AF5	209 784 300 0000	00	1.4	0	90	90	1.1	0.6		B7G	DP
1AF33	209 784 300 0000	00	1.4		60	60	1.6	0.5		B7G	DP
1AF34	209 784 300 0000	00	1.2		60	60	1.6	0.5		B7G	DP
1AG4	873 420 000 0000	00	1.2	3.6	40	50	2.4	1		B5A	P
1AG5	879 243 000 0000	00	1.2	2	40	40	0.2	0.2		B5A	DP
1AH4	872 473 000 0000	00	1.2		40	40	0.7	0.7		B5A	P
1AH5	209 784 300 0000	00	1.4	1.5	60	60	0.17	0.17		B7G	DP
1AJ4	287 124 300 0000	00	1.4	0.8	75	75	1.4	0.65		B7G	P
1AJ5	879 243 000 0000	00	1.2		40	40	1	0.4		B5A	DP
1AK4	872 430 000 0000	00	1.2		40	40	0.7	0.7		B5A	P
1AL4	387 004 020 0000	00	1.4	4.5	90	90	4	0.8		B8B	P
1AM4	287 024 300 0000	00	1.4		90	60	2.4	0.3		B7G	P
1AN5	287 224 300 0000	00	1.4	0	60	60	1.0	0.7		B7G	P
1AQ5	288 424 300 0000	00	1.4		90	40				B7G	H
1AR5	209 784 300 0000	00	1.4		60	60	0.9	0.5		B7G	DP
1AS4	287 024 300 0000	00	1.4	0	90	90	1.6	0.85		B7G	P
1AS5	287 904 300 0000	00	1.4		60	60	0.9	0.5		B7G	DP
1AU3	030 000 200 0000	90	1.2							A08	D
1AX2	230 232 032 0000	90	1.4							B9A	D
1AY2	230 000 000 0000	90	1.25							B3G	D
1B3	020 000 300 0000	90	1.2							A08	D
1B4	387 200 000 0000	40	2	3	200	60	1.7	0.6		UX4	P
1B4P	387 200 000 0000	40	2	3	90	75	1.6	0.6		UX4	P
1B4T(T)	287 300 000 0000	40	2	3	150	75	1.7	0.6		UX4	P
1B5	289 X43 000 0000	00	2	3	150		0.8	0.57		UX6	DDT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
1B5L	389 X42 000 0000	00	2	3	100		0.8	0.5		UX6	DDT
1B6	287 408 300 0000	00	1.4	1.5	90	75	1.5	0.75		B7G	P
1B7	028 748 300 0000	40	1.4	0	90	50	1.5	0.8		A08	H
1B8	{ 038 748 290 0000	40	1.4	{ 6	90		0.1	0.3		A08	DTP
1C	{ 038 758 290 0000	40			90	90	6.3	1.1			
	29X 300 000 0000	00	6							UX4	DD
1C1	288 424 300 0000	00	1.4	4	75		4.5	1.2		B7G	H
1C2	288 484 300 0000	00	1.4	4	60		4	1.2		B7G	H
1C3	280 408 300 0000	00	1.4	3	90		1.4	0.76		B7G	T
1C3	288 484 300 0000	00	1.4		60		3			B7G	H
1C4	387 200 000 0000	40	2	0	150	75	2.5	1		UX4	P
1C5	038 740 200 0000	00	1.4	7.5	90	90	7.5	1.55		A08	P
1C6	388 472 000 0000	40	2	0	150	75		1		UX6	H
1C7	028 748 300 0000	40	2	0	150	75		1		A08	H
1C8	240 238 740 0000	00	1.2	0	30	30	0.3			B8D	H
1C91	824 300 000 0000	00	1.2	2.5	150		7			B5A	T
1C91	028 448 300 0000	00	1.2	2.5	125		7			A08	T
1D3	402 308 080 0000	00	1.2	5	90		12.5	3.4		B8A	T
1D4	284 730 000 0000	00	2	6	150	150	9.5	2.4		UX5	P
1D5	902 310 000 0000	00	40				120			B5	R
1D5BG	028 700 300 0000	40	2	3	150	60	2.2	0.7		A08	P
1D5G	028 703 000 0000	40	2	3	200	75	2.3	0.7		A08	P
1D5GP	028 700 300 0000	40	2	3	90	75	2.2	0.7		A08	P
1D5GT	028 700 300 0000	40	2	3	150	75	2.2	0.6		A08	P
1D6	290 193 000 0000	00	25				60			UX6	R
1D7	038 748 200 0000	40	2	0	150	75	3	0.42		A08	P
1D8	038 748 290 0000	50	1.4	{ 0	90		1.1	0.5		A08	DTP
1D13	291 009 300 0000	00			90	90	5	0.9			
1D15	287 904 300 0000	00	1.4		60	60	2.1	0.6		B7G	D
1E3	402 203 080 0000	00	1.2	0	150		20	3.5		B7G	DP
1E4	028 040 300 0000	00	1.4	3	90		1.4	0.76		B9A	T
1E5	038 700 200 0000	40	2	3	150	75	1.7	0.6		A08	P
1E5GP	038 700 200 0000	40	2	3	90	75	1.6	0.6		A08	P
1E7	038 458 270 0000	00	2	4.5	150	150	7.5	1.43		A08	FP
1E8	240 238 740 0000	00	1.2	0	60	60	1.8	0.74		B8D	H
1F1	287 024 300 0000	00	1.4	0.8	75	75	1.5	0.65		B7G	P
1F2	287 024 300 0000	00	1.4	1.0	90	75	2.9	0.92		B7G	P
1F3	287 024 300 0000	00	1.4	1.0	90	50	1.9	0.75		B7G	P
1F4	384 720 000 0000	00	2	3	90	90	4	1.4		UX5	P
1F5	038 740 200 0000	00	2	3	90	90	4	1.4		A08	P
1F6	387 9X2 000 0000	40	2	1.5	150	75	2.2	0.6		UX6	DDP
1F7	038 9X7 200 0000	40	2	1.5	150	75	2.2	0.6		A08	DDP
1F33	287 024 300 0000	00	1.4		90	60	3.5	0.7		B7G	P
1F34	287 024 300 0000	00	1.2		90	60	3.5	0.7		B7G	P
1F860	141 230 871 0000	00	20		200	175	10	7.5		B9A	P
1FD1	209 784 300 0000	00	1.4	1.5	60	60	0.17	0.17		B7G	DP
1FD9	209 784 300 0000	00	1.4	1.0	75	75	1.6	0.63		B7G	DP
1G3	020 000 300 0000	90	1.2							A08	D
1G4	038 040 200 0000	00	1.4	6	90		2.3	0.82		A08	T
1G5	038 740 200 0000	00	2	6	90	90	8.5	1.5		A08	P
1G6	028 458 300 0000	00	1.4	0	90		1.0	0.67		A08	TT
1H1	028 458 300 0000	00	2.1		150		3.2	2.1		A08	TT
1H2	230 232 032 0000	90	1.4							B9A	D
1H3C	028 458 300 0000	00	1.2	5.5		150	2.3	0.8		A08	TT
1H4	028 040 300 0000	00	2	9	150		3	0.9		A08	T
1H5	238 090 200 0000	40	1.4	0.5	100		0.1	0.2		A08	DT
1H6	038 9X4 200 0000	00	2	3	150		0.8	0.57		A08	DDT
1H33	287 424 300 0000	00	1.4		90	60	1.6			B7G	H
1H34	287 424 300 0000	00	1.2		90	60	1.6			B7G	H
1H35	287 474 300 0000	00	1.4		90	40	0.6			B7G	H
1J3	020 000 300 0000	90	1.2							A08	D

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
1J5	038 740 200 0000	00	2	16.5	150	150	7	0.95		A08	P
1J6	028 457 300 0000	00	2	3	150		1.7			A08	TT
1J6GX	028 457 300 0000	00	2	0	150		2			A08	TT
1K3	020 000 300 0000	90	1.2							A08	D
1K4	387 200 000 0000	40	2		150	75	2.5	1		UX4	P
1K5	028 700 300 0000	40	2		125	75	2.5	1		A08	P
1K5B	028 700 300 0000	40	2		125	75	1	1		A08	P
1K6	38X 972 000 0000	40	2	3	150	90	0.9	0.6		UX6	DDP
1K7	028 9X7 300 0000	40	2	4.4	150	150	1.5	0.7		A08	DDP
1L4	287 024 300 0000	00	1.4	0	90	75	2.9	0.92		B7G	P
1L5	028 740 300 0000	00	2	6	200	200	10	2.4		A08	P
1L6	288 471 300 0000	00	1.4	0	90	50	4	0.55		B7G	H
1L33	284 728 300 0000	00	1.4	7	90	60	7.4	1.4		B7G	P
1L34	274 728 300 0000	00	1.2	7	90	60	7.4	1.4		B7G	P
1L60	842 300 000 0000	00	1		150		6.0	1.2		B4	T
1L84	387 004 020 0000	00	1.4	4.5	90	90	4	0.85		B8B	P
1L91	872 430 000 0000	00	1.2	4.5	40	40	1.2	0.5		B5A	P
1L861	041 230 871 0000	00	20		200	200	50	9		B9A	P
1LA4E	387 004 020 0000	00	1.4	4.5	90	90	3.5	0.8		B8B	P
1LA6	388 474 020 0000	00	1.4	0	90	50	1.8	0.55		B8B	H
1LA6E	388 474 020 0000	00	1.4	0	90	50	1.8	0.55		B8B	H
1LB4	387 004 020 0000	00	1.4	9	90	90	5	0.9		B8B	P
1LB6	288 774 430 0000	00	1.4	0	90	75	0.4	0.1		B8D	H
1LB7	287 104 130 0000	00	1.4	3	40	40	1	0.3		A08	P
1LC5	387 124 020 0000	00	1.4	0	90	50	1.15	0.77		B8B	P
1LC6	288 474 030 0000	00	1.4	0	90	50	3	0.55		B8B	H
1LD5	387 904 020 0000	00	1.4	0	90	50	0.6	0.57		B8B	DP
1LE3	370 004 020 0000	00	1.4	3	90		1.4	0.76		B8B	T
1LF3	280 004 030 0000	00	1.4	3	90		1.4	0.76		B8B	T
1LG5	387 124 020 0000	00	1.4	1.5	90	90	3.7	1.15		B8B	P
1LH4	280 904 030 0000	00	1.4	0	90		1.15	0.27		B8B	DT
1LN5	387 124 020 0000	00	1.4	0	90	90	1.6	0.8		B8B	P
1M1	400 230 080 0000	00	1.4	34	250	0	0.09		Ra=2.2MΩ Ra=1MΩ	B8D	TI
1M3	400 230 080 0000	00	1.4	23	200	0	0.1			B8D	TI
1M5G	038 700 200 0000	40	2		150	75	2.5	1		A08	P
1M90	824 300 000 0000	00	1.4		90		0.25			B4A	T
1N2	020 000 300 0000	90	1.2							A08	D
1N5	038 700 200 0000	40	1.4		90	90	1.2	0.7		A08	P
1N6	038 749 200 0000	00	1.4	4.5	90	90	3.4	0.8		A08	DP
1NA31	902 209 300 0000	00	5				15			B7G	R
1P1	387 024 300 0000	00	1.4	5.2	90	90	5.0	1.4		B7G	P
1P5	038 700 200 0000	40	1.4		90	90	2.3	0.7		A08	P
1P10	284 738 200 0000	00	1.4	7	90	75	7.4	1.57		B7G	P
1P11	387 024 300 0000	00	1.4	4.5	90	90	9.5	2.15		B7G	P
1Q5	038 740 200 0000	00	1.4	4.5	90	90	9.5	2.2		A08	P
1Q6	040 239 870 0000	00	1.25	0	60	60	1.6	0.6		B8D	DP
1R	028 710 300 0000	40	1.4		90	90	1.2	0.7		A08	P
1R4	200 900 130 0000	00	1.4							B8B	D
1R5	288 424 300 0000	00	1.4	4	75		5	1.2		B7G	H
1R6	230 232 032 0000	90	1.2							B9A	D
1S2A	320 323 023 0000	90	1.4							B9A	D
1S4	284 728 300 0000	00	1.4	7	90	75	7.4	1.57		B7G	P
1S5	209 784 300 0000	00	1.4	0	75	75	1.6	0.62		B7G	DP
1S6	804 239 070 0000	00	1.2	0	60	60	1.6	0.6		B8D	DP
1SA6	021 407 380 0000	00	1.4	0	90	75	2.45	0.97		A08	P
1SB6	038 790 240 0000	00	1.4	0	90	75	1.45	0.66		A08	DP
1T	038 700 320 0000	40	1.4	4.5	90	90	0.9	2.1		A08	P
1T2	123 000 000 0000	90	1.4							B3G	D
1T4	387 200 000 0000	00	2	0	150	75	2.5	1		UX4	P
1T4	287 024 300 0000	00	1.4	0	90	75	3.5	0.9		B7G	P
1T5	038 740 200 0000	00	1.4	6	90	90	6.4	1.15		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
1T6	804 239 070 0000	00	1.2	0	60	60	1.6	0.6		B8D	DP
1U4	287 024 300 0000	00	1.4	0	90	90	0.8	0.68		B7G	P
1U5	287 904 300 0000	00	1.4	0	75	75	1.6	0.62		B7G	DP
1U6	288 741 300 0000	00	1.4	0	75	50	1.7	0.3		B7G	H
1V	291 300 000 0000	00	6				60			UX4	R
1V2	900 230 009 0000	00	0.63							B9A	D
1V4	285 024 300 0000	00	1.25	0	150	100	1.6			B7G	P
1V5	040 230 870 0000	00	1.2	4.5	60	60	2	0.75		B7G	P
1V6	875 248 300 0000	00	1.2	0	45		4.4		}	B7B	TP
1W4	9X2 300 000 0000	00	4		45	45	0.4	0.2		B4	RR
1W4	287 004 300 0000	00	1.4	9	90	90	5	0.92		B7G	P
1W5	040 230 870 0000	00	1.25	0	60	60	1.8	0.73		B8A	P
1W50	942 310 000 0000	00	1.0	0.5	100		0.2	0.2		B5	T
1X2	230 232 032 0000	90	1.2							B9A	R
1X2B	020 000 003 0000	90	1.2							B9A	D
1Y2	200 300 000 0000	90	1.4							UX4	D
1Y32	232 232 300 0000	90	1.4							B7G	D
1Z1	020 000 300 0000	90	0.7							A08	D
1Z2	232 232 300 0000	90	1.2							B7G	D
2	842 300 000 0000	00	2	4	150		1.5			B4	T
2/25A	200 300 000 0000	90	6				30			UX4	R
2/50A	200 300 000 0000	90	5				60			UX4	R
2A1M	028 748 300 0000	40	2		150	75	2.2			A08	H
2A3	284 300 000 0000	00	2.5	45	250		60	5.2		UX4	T
2A3H	384 200 000 0000	00	2.5	62	300		40	5.25		UX4	T
2A3W	284 300 000 0000	00	2.5	45	250		60	5.2		UX4	T
2A5	287 413 000 0000	00	2.3	16.5	250	250	34	2.5		UX6	P
2A6	28X 913 000 0000	40	2.5	2	250		0.9	1.1		UX6	DDT
2A7	287 741 300 0000	40	2.5	8	250	100	3.5	1.1		Sm7	H
2A74	842 314 800 0000	00	2.5	4.0	100		15	6.6		B7G	T
2AH2	200 000 000 0030	90	2.5							A12	D
2AS2	220 002 002 0030	90					5			A12	D
2AV2	900 230 009 0000	00	1.8							B9A	D
2AZ2	230 232 032 0000	90	2.1							B9A	D
2B3	020 000 300 0000	90	1.7							A08	D
2B5	{ 280 413 000 0000 208 413 000 0000	00	2.5		300		9			UX6	TT
2B5		00									
2B7	834 225 380 0000	00	1.2	1	90		2.6	1.1		B8A	TT
2B7	287 9X1 300 0000	40	2.5	3	250	125	9	1.1		UX7	DDP
2B21	300 200 000 0000	90	2.5				5			UX4	R
2B22	021 010 310 0000	90	6							A08	D
2B25	200 900 300 0000	00	1.4							B7G	D
2B26	290 300 000 0000	00	2.5				120			UX4	R
2B35	123 000 000 0000	90	6							B3G	D
2B36	123 000 000 0000	90	4							B3G	D
2BN4	142 381 400 0000	00	2	1.5	150		9	6.8		B7G	T
2C21	218 481 300 0000	50	6	16.5	250		8.3	1.3		UX7	TT
2C22	020 000 310 0000	84	6	10.5	300		11	3		A08	T
2C23	284 300 000 0000	00	7.5	32	350		16	1.55		UX4	T
2C25	284 300 000 0000	00	7	100	350		50			UX4	T
2C26	020 000 310 0000	84	6	15	350		16			A08	T
2C34	204 150 300 0000	88	6.3	36	300		80			Sm7	TT
2C40	021 010 310 0000	84	6	5	250		20			A08	T
2C43	021 010 310 0000	84	6.3		400		38			A08	T
2C45	384 200 000 0000	00	7	40	250		29			UX4	T
2C48	287 004 130 0000	00	6	15	250	250	70			B8B	P
2C50	481 581 230 0000	00	12.6		200		18	2.9		A08	TT
2C50	287 004 130 0000	00	12	15	250	250	70			B8B	P
2C51	214 808 513 0000	00	6	2	150		8.2	5.5		B9A	TI
2C52	481 581 230 0000	00	12.5	2	250		1.3	1.9		A08	TT
2CW4	080 400 010 2030	00	2.1	1	100		7.6	9.8		NV5	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _g m mA/V	ADDENDA	BASE	TYPE
2CY5	412 387 100 0000	00	2.5	1	150	80	10	8		B7G	P
2D1	29X 130 000 0000	00	2.5							UX5	DD
2D2	9X2 310 000 0000	00	2							B5	DD
2D4	9X2 310 000 0000	00	4							B5	DD
2D4B	0X1 231 900 0000	00	4							B7	DD
2D13	023 190 000 0000	X0	13							B5	DD
2D13A	923 1X0 000 0000	00	13							B5	DD
2D13C	9X2 310 000 0000	00	13							B5	DD
2D21	412 318 100 0000	00	6		400		50	6kΩ		B7G	THY
2DL4	414 234 484 0000	00	2		150		12.5	14		B9A	T
2DS4	080 400 010 2030	00	2.1	0.8	100		6.5	9		NV5	T
2DV4	880 404 100 2030	00	2.1	1	75		10.5	11.5		NV7	T
2DZ4	842 314 800 0000	00	2.35		75		15	6.7		B7G	T
2E5	284 713 000 0000	00	2.5	8	250		0.2		Ra=1MΩ	A08	TI
2E22	274 130 000 0000	80	6	15	400	250	60	5.5		UX5	P
2E24	237 242 300 0000	80	3	18.5	400	200	16	3.2		A08	P
2E25	020 740 320 0000	00	6	22.5	400	250	40			A08	P
2E26	127 141 300 0000	80	6	20	200	20	3.5			A08	P
2E30	413 387 200 0000	00	3	20	250	250	40	3.7		B7G	P
2E31	872 430 000 0000	00	1.25	0	20	20	0.4	0.5		B5A	P
2E32	872 430 000 0000	00	1.25	0	20	20	0.4	0.5		B5A	P
2E35	872 430 000 0000	00	1.25	0	20	20	0.27	0.38		B5A	P
2E36	872 430 000 0000	00	1.25	0	20	20	0.27	0.38		B5A	P
2E41	879 243 000 0000	00	1.25	0	20	20	0.36	0.37		B5A	DP
2E42	879 243 000 0000	00	1.25	0	20	20	0.35	0.37		B5A	DP
2E50	412 287 300 0000	00	6	20	250	250	10	3.4		B7G	P
2EA5	412 387 100 0000	00	2.3	1	250	150	10	8		B7G	P
2EM5	0X2 310 900 0000	00	2.1							B7G	DD
2EN5	0X2 310 900 0000	00	2.1							B7G	DD
2ER5	142 380 100 0000	00	2.3	1.2	200		10			B7G	T
2ES5	142 380 100 0000	00	2.3	1	200		15	9.5		B7G	T
2EV5	412 387 100 0000	00	2.4	1	250	75	11.5	8.8		B7G	P
2F7	287 841 300 0000	50	2.5	3	100		4		} UX7		TP
2FH5	142 380 100 0000	00	2.3	3	250	100	2.8			B7G	T
2GK5	142 380 100 0000	00	2.3	1.2	150		11	15		B7G	T
2GW5	842 314 100 0000	00	2.4	1	150		13	15		B7G	T
2FQ5	142 380 100 0000	00	2.3	1.2	150		11.5	11		B7G	T
2FS5	412 387 100 0000	00	2.4	0.2	275	150	10	10		B7G	P
2FV6	287 424 300 0000	00	2.4	1	150	75	10	8		B7G	P
2FY5	142 380 100 0000	00	2.4	1.2	150		11	12		B7G	T
2G5	284 713 000 0000	00	2.5	22	250	250	0.2		Ra=1MΩ	UX6	TI
2HA5	412 380 100 0000	00	2.2		200		19	20		B7G	T
2HK5	412 380 100 0000	00	2.3		150		12.5	15		B7G	T
2HM5	412 387 100 0000	00	2.4	1.2	150		12.5	14.5		B7G	T
2HMD	{ 472 310 000 0000	08	} 4		200	100	3.8	1.1		B5	FP
	572 310 000 0000	80									
2HQ5	412 381 100 0000	00	2.4	1	150		11.5	15		B7G	T
2HR8	701 238 014 0000	00	2.1		250	150	3	1.8		B9A	P
2J2	230 232 032 0000	90	2							B9A	D
2K2	028 700 300 0000	40	2	2	100	100	2.5	0.9		A08	P
2L32	284 738 200 0000	00	1.4	7	60	60	7	1.5		B7G	P
2L33	287 438 200 0000	00	1.4	8.4	150	90	14.1	1.9		B7G	P
2L34	284 738 200 0000	00	1.4	7	60	60	7	1.5		B7G	P
2L35	287 143 200 0000	00	1.2	8.8	150	90	14.2	2.1		B7G	P
2M2M	284 738 200 0000	00	1.2	3.5	60	60	3.7	1.1		B7G	P
2-01C	200 000 300 0000	90	5							B7G	D
2P	842 300 000 0000	00	2	22	250		40	7		B4	T
2S	29X 130 000 0000	00	2.5				15			UX5	RR
2S/140G	209 130 900 0000	00	6.3				5			B7G	R
2SC10	842 300 000 0000	00	2.5	1	250		15	2.4		B4	T
2T4	842 310 800 0000	00	2.3	2.7	75		18	7		B7G	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
2T/270K	112 311 100 0000	90	4							B7G	R
2U14	842 300 000 0000	00	2		150		2	0.6		B4	T
2U15	842 300 000 0000	00	2		150		4	0.8		B4	T
2V2	020 000 030 0000	90	2.5							A08	D
2V3	020 000 300 0000	90	2.5							A08	R
2W3	020 900 030 0000	00	2.5					60		A08	R
2X2	300 200 000 0000	90	2.5							UX4	R
2X3	020 900 030 0000	00	2.5				120			A08	R
2XP	842 300 000 0000	00	2	36	300		50	7		B4	T
2Y2	200 300 000 0000	90	2.5				5			UX4	R
2Z2	290 300 000 0000	00	2.5				60			UX4	R
2.5C9	842 300 000 0000	00	2.5	4	250		8	2.2		B4	T
3	842 300 000 0000	00	2	7.5	150		3.4	0.9		B4	T
3A2	230 232 032 0000	90	3							B9A	D
3A3	020 000 300 0000	90	3							A08	D
3A4	387 428 300 0000	00	1.4	8.4	150	90	13.3	1.9		B7G	P
3A5	284 358 200 0000	00	1.4	2.5	90		3.7	1.8		B7G	TT
3A8	238 748 390 0000	50	1.4	0	90		0.2	0.3		} A08	DTP
				0	90	90	12	0.7			
3A/107A	284 300 000 0000	00	4	8	150		6.5	1.6		UX4	T
3A/107B	842 300 000 0000	00	4	8	150		6.5	1.6		B4	T
3A/108A	284 300 000 0000	00	2	1.5	150		0.9	0.5		UX4	T
3A/108B	842 300 000 0000	00	2	1.5	150		0.9	0.5		B4	T
3A/109A	284 300 000 0000	00	4	8	150		19	1.2		UX4	T
3A/109B	842 300 000 0000	00	4	8	150		19	1.2		B4	T
3A/154M	280 004 130 0000	00	6	2	250		12	3		B8B	T
3A/167M	200 810 430 0000	00	6.3	3.5	200		10	30		B8G	T
3AB4	802 304 100 0000	00	3.1	2	250		10	5.5		B7G	T
3AE4	387 004 230 0000	00	1.4	9	90	90	1.8	1.6		A08	P
3AF4	842 314 800 0000	00	3	4	100		15	6.6		B7G	T
3AJ8	751 238 584 0000	00	3.1	3	100		5	2.3		} B9A	TH
				2	250	100	6.5	2.4			
3AL5	1X2 310 900 0000	00	3				5			B7G	DD
3AT2	200 000 000 0030	90	3.15							A12	D
3AT4	802 304 100 0000	00	3.1	1	200		11	6.7		B7G	T
3AU6	412 387 100 0000	00	3	1	250	150	10	5.2		B7G	P
3AV6	412 3X9 800 0000	00	3	2	250		1.2	1.6		B7G	DDT
3AW3	020 000 300 0000	90	3.1							A08	D
3AY6	412 39X 800 0000	00	3	2	250		1.2	1.6		B7G	DDT
3AZ4	020 90X 030 0000	00	5				60			A08	RR
3B2	020 000 300 0000	90	3							B8A	D
3B4	724 332 800 0000	00	1.25	10	150	135	30	2.2		B7G	P
3B5	038 740 320 0000	00	1.4	7	75	75	6.5	1.5		A08	P
3B7	384 205 830 0000	00	1.4	0	90		5.2	1.85		B8B	TT
3B24	320 200 000 0000	90	2.5				30			UX4	R
3B29	300 200 000 0000	90	2.5							UX4	R
3B/102B	843 210 000 0000	00	6		400		100	6		B5	T
3B/240M	214 444 130 0000	80	6	1	300		50	27		B8B	T
3B/241M	214 444 130 0000	80	19	1	300		50	27		B8B	T
3B/252B	842 310 000 0000	00	6	20	400		60	10		B5	T
3BA6	412 387 100 0000	00	3	1	250	100	11	4.4		B7G	P
3BC5	412 387 100 0000	00	3	1.3	250	150	7.5	5.7		B7G	P
3BE6	412 388 100 0000	00	3.1	6	150		7.5	3.5		B7G	H
3BF2	200 200 200 3030	90	3.6							A12	D
3BF6	142 380 100 0000	00	3.1	9	250		9.5	1.9		B7G	T
3BN4	142 381 400 0000	00	2.8	2	150		9	6.8		B7G	T
3BN6	412 374 800 0000	00	3	1	60	60	0.5	1		B7G	P
3BU8	{ 178 231 401 0000	00	} 3	1	100	60	1	1.5		B9A	PP
	170 231 481 0000	00									
	141 230 871 0000	00									
3EX6	412 387 400 0000	00	3.4	2	200	175	10	7.2		B9A	P
3BY6	412 387 400 0000	00	3	2.5	250	100	6.5	2.4		B7G	H
3BY7	141 230 871 0000	00	3.2	1.8	250	75	8	5.7		B9A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
3BZ6	412 387 100 0000	00	3	1	150	125	14	8		B7G	P
3C2	020 030 200 0000	00	1.5							A08	D
3C4	387 024 300 0000	00	1.4	5.4	90	90	5.0	1.4		B7G	P
3C5	038 740 320 0000	00	1.4	9	90	90	6	1.4		A08	P
3C6	208 458 320 0000	00	1.4	0	90		4.5	1.3		B8D	TT
3C24	200 300 000 0000	84	6.3	3	400					UX4	T
3C36	412 387 100 0000	00	3	2.2	200	150	4.5	1.2		B7G	P
3CA3	030 000 200 0000	90	3.6				9.5	6.2		A08	D
3CB6	412 387 100 0000	00	3	1	150	125				B7G	P
3CE5	412 387 100 0000	00	3.1	1	150	125	13	8.0		B7G	P
3CF5	402 387 100 0000	00	3	4.0	125	125	11	7.6		B7G	P
3CF6	412 387 100 0000	00	3	1	150	125	12	7.8		B7G	P
3CS6	412 387 100 0000	00	3	1.0	100	30	1.0	1.1		B7G	H
3CY5	412 387 100 0000	00	2.9	1	150	75	10	9		B7G	P
3D6	387 004 230 0000	00	1.4	4.5	150	90	10.2	2.4		B8B	P
3D21A	320 704 210 0000	80	6.3	30	400	300		5.5		A08	P
3DG4	101 090 X00 0000	00	3.3				120			A08	RR
3DK6	412 387 100 0000	00	3.1	0.9	150	125	12	9.8		B7G	P
3DL4	414 234 484 0000	00	2.6	1.2	150		12	14		B9A	T
3DT6	412 387 100 0000	00	3	2.2	150	100	1.1	0.8		B7G	P
3DZ4	842 314 800 0000	00	3.2		75		15	6.7		B7G	T
3E5	387 024 300 0000	00	1.4	8	90	90	6	1.2		B7G	P
3E6	287 134 020 0000	00	1.4	0	90	90	2.5	1.8		A08	P
3EA5	402 387 100 0000	00	3	1	250	100	10	8		B7G	P
3EH7	141 230 871 0000	00	3.4	2	200	90	12	12.5		B9A	P
3EJ7	141 230 710 0000	00	3.4	2.5	200	200	10	15		B9A	P
3ER5	142 380 100 0000	00	3.6	1.2	250		10	10.5		B7G	T
3ES5	142 380 100 0000	00	3	1	200		15	9.5		B7G	T
3EV5	412 387 100 0000	00	2.9	1	250	75	11.5	8.5		B7G	P
3FH5	142 380 100 0000	00	3	1	150		11	9		B7G	T
3FQ5	142 380 100 0000	00	2.8	1.2	150		11.5	11		B7G	T
3FS5	412 387 100 0000	00	2.9	0.2	300	150	9	10		B7G	P
3FY5	142 380 100 0000	00	3.1	1	150		11	13		B7G	T
3G10	9X2 300 000 0000	00	2.5				30			B4	RR
3G130	9X2 300 000 0000	00	2.5				30			B4	RR
3GK5	142 380 100 0000	00	2.8	1	150		11.5	15		B7G	T
3GS8	178 231 401 0000	00	3.1		100	75	2	1.2		B9A	PP
3GW5	170 231 481 0000	00	3	1	150		13	15		B7G	T
3HA5	842 314 100 0000	00	2.7		200		19	20		B7G	T
3HK5	412 380 100 0000	00	2.9		150		12.5	15		B7G	T
3HM5	412 380 100 0000	00	2.9	1.2	150		12.5	14.5		B7G	T
3HM6	141 230 871 0000	00	3.15	3.9	125	125	13	15		B9A	P
3HQ5	412 381 100 0000	00	3	1	150		11.5	15		B7G	T
3HS8	178 231 401 0000	00	3.1		100	75	2	0.4		B9A	PP
3KPF8	170 231 481 0000	00									
	170 231 481 0000	00	3.1	1	150	150	4	1		B9A	PP
	178 231 501 0000	00									
3L31	287 438 200 0000	00	1.4	8.7	150	90	14.2	2.1		B7G	P
3L35	287 243 200 0000	00	1.4		150	125	18.5			B7G	P
3LE4	387 004 230 0000	00	1.4	9	90	90	1.8	1.6		A08	P
3LF4	387 004 230 0000	00	1.4	4.5	90	90	8	2		B8B	P
3Q4	384 728 300 0000	00	1.4	5	90	90	6.9	1.97		B7G	P
3Q5	038 740 320 0000	00	1.4	4.6	90	90	9	2		A08	P
3S4	384 728 300 0000	00	1.4	7	90	75	7.4	1.57		B7G	P
3SB6	038 740 200 0000	00	1.4		90	60	1.4	0.6		A08	P
3V4	387 024 300 0000	00	1.4	4.5	90	90	7.7	2		B7G	P
3W4	284 738 200 0000	00	1.4	5.2	90	90	6.8	1.7		B7G	P
3Y4	284 738 200 0000	00	1.4	5.4	60	60	5	1.2		B7G	P
3Y6A1	023 104 780 0000	00	6.3		400	300	2			F8	P
3Z4	284 738 200 0000	00	1.4	7	60	60	6.5	1.4		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
4	842 300 000 0000	00	2	1	150		1	0.9		B4	T
4/100BU	9X2 300 000 0000	00	4				120			B4	RR
4A6G	028 458 230 0000	00	2	1.5	90		1.2	0.9		A08	TT
4A07	842 300 000 0000	00	4	2	100		1.4	1.2		B4	T
4A08N	842 300 000 0000	00	4		200		6	2.4		B4	T
4A10	842 300 000 0000	00	4	2.5	150		6	1.8		B4	T
4A15	842 300 000 0000	00	4		100		7	2.2		B4	T
4A80	842 310 000 0000	00	4		150		6	2		B5	T
4A80N	842 310 000 0000	00	4		200		6	2.4		B5	T
4A90	842 310 000 0000	00	4		200		8	3.5		B5	T
4A120	842 310 000 0000	00	4		150			1.4		B5	T
4AU6	412 387 100 0000	00	4	1	250	150	10	5.2		B7G	P
4AV6	412 39X 800 0000	00	4.2	2	250		1.2	1.6		B7G	DDT
4BA6	412 387 100 0000	00	4.2	1	250	100	11	4.4		B7G	P
4BC5	412 387 100 0000	00	4.2	1.3	250	150	7.5	5.7		B7G	P
4BC8	841 238 510 0000	00	4.2	2.2	150		10	6.2		B9A	TT
4BE6	412 388 100 0000	00	4.2	6	150		7.5	3.5		B7G	H
4BL8	857 238 114 0000	00	4.5	2	100		14	5		B9A	TP
4BN4	142 381 400 0000	00	4	2.2	150	175	10	6.2		B7G	T
4BN6	142 374 800 0000	00	4.2	1	60	60	0.5	1.0		B7G	P
4BQ7	851 238 410 0000	00	4	2	150		9	6.4		B9A	TT
4BS8	841 238 510 0000	00	4.2	4.4	150		10	7.2		B9A	TT
4BU8	170 231 481 0000	00	4.2	1	150	100	4	3.5		B9A	PP
4BZ6	178 231 581 0000	00	4.2		150		11	7.5		B9A	TT
4BZ6	841 238 510 0000	00	4.2		150		11	7.5		B9A	TT
4BZ6	412 387 100 0000	00	4.2	1	100	100	12	8		B7G	P
4BZ7	851 238 410 0000	00	4.2	2.2	150		10	6.8		B9G	TT
4BZ8	841 238 510 0000	00	4.2	2	150		10	8		B9A	TT
4BZ11	841 238 510 0000	00	4	2.2	150		10	6.8		B9A	TT
4C1	284 300 000 0000	00	3	3	90		5	1		UX4	T
4C2	842 310 000 0000	00	4	5	150		11	2.5		B5	T
4C3	842 310 000 0000	00	4	3.5	200		6	2.4		B5	T
4C4	842 310 000 0000	00	4	3.5	200		6	2.4		B5	T
4C5	842 300 000 0000	00	4	10	400		30	4		B4	T
4C101	023 004 080 0000	00	4	45	250		60	6		F8	T
4C102	842 300 000 0000	00	4	45	250		40	2		B4	T
4C103	842 300 000 0000	00	4	35	250		45	3.5		B4	T
4CB6	412 387 100 0000	00	4.2	1	150	125	13	8		B7G	P
4CC1	842 301 850 0000	00	4	3.5	200		6	3.2		F8	TT
4CB5	412 387 100 0000	00	4.2	1	150	125	11	7.6		B7G	P
4CF6	412 387 100 0000	00	4.2	2	200	150	9.2	6.2		B7G	P
4CF8	701 238 014 0000	00	4.5	2	250	150	3	2		B9A	P
4CM4	841 234 148 0000	00	3.6	1.5	200		12	14		B9A	T
4CS6	412 387 100 0000	00	4	1	100	30	1	11		B7G	P
4CX7	841 238 510 0000	00	4.2	10	150		9	6.4		B9A	TT
4CY5	412 387 100 0000	00	4.2	1	150	80	10	8		B7G	P
4D1	000 231 800 0000	40	13	3	250		10	5		B7	T
4D80	842 310 000 0000	00	4		100		2	1		B5	T
4DE6	412 387 100 0000	00	4.2	1.1	150	125	15.5	8		B7G	P
4DK6	412 387 100 0000	00	4.2	0.9	150	125	12	9.7		B7G	P
4DT6	412 387 100 0000	00	4.2		150	100	1.1	0.8		B7G	P
4DL4	414 234 484 0000	00	4	1.2	150		12	14		B9A	T
4E2	023 19X 780 0000	40	4	14	250	275	72			8SC	DDP
4E4	023 110 780 0000	40	4	2	250	100	3	2.1		8SC	P
4E104	287 004 130 0000	00	4	6	250	250	36	9		B8G	P
4E201	023 110 780 0000	00	4	3	250	100	8	1.8		F8	P
4EH7	141 230 871 0000	00	4.4	2	200	100	12	12.5		B9A	P
4EJ7	141 230 871 0000	00	4.4	2.5	200	200	10	15		B9A	P
4ER5	142 380 100 0000	00	4.2	1.2	200		10	10.5		B9A	T
4ES8	851 238 410 0000	00	4	1.2	90		15	12.5		B9A	TT
4EW6	412 387 100 0000	00	4.2	0.8	150	125	11	14		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
4FC7	148 234 118 0000	00	3.8	1.2	90		15	12.3		B9A	T
4FS7	151 234 887 0000	00	4.6 {	3	100		14	5.5		B9A	TP
4G30	9X2 300 000 0000	00	4	1.2	200	150	10	1.2		B4	RR
4G105	9X2 300 000 0000	00	4				30			B4	RR
4G200	9X2 300 000 0000	00	4				60			B4	RR
4G5000	023 000 000 0000	90	4							F8	D
4GG1	9X2 300 000 0000	00	4				30			B4	RR
4GG2	9X2 300 000 0000	00	4				60			B4	RR
4GG3	9X2 300 000 0000	00	4				120			B4	RR
4GG4	023 090 0X0 0000	00	4				30			F8	RR
4GK5	142 380 100 0000	00	4	1	150		11.5	15		B7G	T
4GM6	412 387 100 0000	00	4.2		150	125	14	13		B7G	P
4GS8	{ 178 231 401 0000	00	4.2		100	75	2	1.2		B9A	PP
	170 231 481 0000	00									
4GW5	842 314 100 0000	00	4.2	1	150		13	15		B7G	T
4GX7	151 238 784 0000	00	4.2	1	125		13	8.5		B9A	TP
4GZ5	142 347 800 0000	00	4		250	250	16	8.5		B7G	P
4H07	842 300 000 0000	00	4		150		3	1.1		B4	T
4H08	842 300 000 0000	00	4		150		5	1.2		B4	T
4H80	842 300 000 0000	00	4		150		3	1.1		B4	T
4HA5	412 380 100 0000	00	3.9		200		19	20		B7G	T
4HA7	281 100 014 8530	00	4.2 {	8.5	250		10.5	2.2		A12	TT
				2	250		1.2	1.6			
4HK5	412 380 100 0000	00	4.0		150		12.5	15		B7G	T
4HM5	412 387 100 0000	00	4	1.2	150		12.5	14.5		B7G	T
4HM6	141 230 871 0000	00	4.2	3.9	125	125	13	15		B9A	P
4HQ5	412 380 100 0000	00	4.2	1	150		11.5	15		B7G	T
4JK6	412 387 100 0000	00	3.7	0.9	125	125	11.5	18		B7G	P
4HS8	178 231 481 0000	00	4.2	1.5	100	75	2	3		B9A	PP
4JL6	412 387 100 0000	00	3.7	0.9	125	60	12.5	15.5		B7G	P
4K30	842 300 000 0000	00	4	10	150		20	3.6		B4	T
4K32	842 300 000 0000	00	4	15	200		30	3.6		B4	T
4K50	842 300 000 0000	00	4	20	200		60	5		B4	T
4K60	842 300 000 0000	00	4	20	300		60	3.5		B4	T
4K61	842 300 000 0000	00	4		300			3		B4	T
4K100	842 300 000 0000	00	4	3	300	200	50	4		B4	T
4KF8	{ 170 231 481 0000	00	4.2	1	150	150	4	1		B9A	PP
	178 231 501 0000	00									
4L11	842 300 000 0000	00	4		150		7	1.4		B4	T
4L12	842 300 000 0000	00	4		150		9	2		B4	T
4L13	842 300 000 0000	00	4	11	200		14	2.5		B4	T
4L14	842 300 000 0000	00	4		200		10	2.2		B4	T
4L15	842 300 000 0000	00	4		100			2.2		B4	T
4L16	842 300 000 0000	00	4	8	150		100	2.2		B4	T
4L20	842 300 000 0000	00	2		100			1.4		B4	T
4L28	842 300 000 0000	00	4	4	150		10.5	4		B4	T
4L29	842 300 000 0000	00	4	8	150		20	3.6		B4	T
4LMBT	842 310 000 0000	00	4	1	200		3.4	2.6		B5	T
4MBT	842 310 000 0000	00	4	1	200		3.4	2.6		B5	T
4MP12	412 387 400 0000	00	4	6	200	175	25	5.5		B7G	P
4N08	842 300 000 0000	00	4		100		8	1.2		B4	T
4N100	842 310 000 0000	00	4		150			3.5		B5	T
4N110	842 310 000 0000	00	4		200		5	1.5		B5	T
4NG	9X2 300 000 0000	00	4				30			B4	RR
4P25	842 300 000 0000	70	4	19	250	150	12	1.3		B4	P
4R-HH2	751 238 410 0000	00	4.2	1	90		8.5	8		B9A	TT
4R-HH8	841 238 510 0000	00	4.2	1	100		16	16		B9A	TT
4R-HH9	841 238 510 0000	00	4.2		90		16	16		B9A	TT
4S	29X 130 000 0000	00	2.5							UX5	DD
4S09	742 300 000 0000	80	4	1	200	100	4.5	0.9		B4	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
4S120	742 310 000 0000	80	4	2	200	60	4	0.5			
4S121	742 310 000 0000	80	4		200	100	6	1		B5	P
4S126	742 310 000 0000	80	4	2	200	100	3	2		B5	P
4T1	842 314 800 0000	00	4.7	2.3	75		16	6.6		B5	P
4THA	847 231 800 0000	40	4	5	100		1.5	1.5		B7G	T
				2	250	100	3.5	2.5		B7	TH
4TP	548 231 700 0000	80	4	5	100					B7	TP
4TPB	081 321 700 0000	40	4	3	150	150	16	4.5		B7	P
4TSA	047 231 800 0000	80	4		250	100	5	1.6		B7	P
4TSP	041 231 700 0000	80	4	3	250	150	12	8		B7	P
4U130	843 210 000 0000	00	3.5	8	200		6	1.4		B5	T
4W08	842 300 000 0000	00	4	4	150		4	1.5		B4	T
4W100	842 310 000 0000	00	4		200		1.5	3.5		B5	T
4W120	842 310 000 0000	00	4		200		2	0.7		B5	T
4W200	842 310 000 0000	00	4		150			3.3		B5	T
4X150A	712 101 314 0000	80	6.3	30	250	200	32	4.0		B9G	P
4XP	842 300 000 0000	00	4	28.5	250		48	5		B4	T
4Z60A	023 090 0X0 0000	00	4				30			F8	RR
5A6	801 227 413 0000	00	2.5	15	150	150	20			B9A	P
5A/102D	028 710 310 0000	40	7.5	18	200	150	42	2.5		A08	P
5A/136D	028 710 310 0000	40	5.5	250	150	5.2	2			A08	P
5A/137D	028 710 310 0000	40	6.3	2	250	100	1.8			UX6	P
5A/150A	287 113 000 0000	40	10	5.5	250	150	5.2	2		A08	P
5A/152M	287 104 130 0000	00	6	2	250	150	10	7.5		B8B	P
5A/155M	278 101 403 0000	00	6	2	250	250		6.5		B9G	P
5A/156M	287 114 113 0000	00	6	1.7	250	250	10	7.7		B9G	P
5A/157D	028 710 310 0000	40	6	2	250	100		1.8		A08	P
5A/159G	412 381 700 0000	00	6.3	2	250	250	10	7.5		B7G	P
5A/159H	412 381 700 0000	00	6.3	2	250	250	10	7.5		B7G	P
5A/160H	412 381 700 0000	00	6.3	2	250	250	10	7.5		B7G	P
5A/160K	412 381 700 0000	00	6.3	2	250	250	10	7.5		B7G	P
5A/163K	141 238 117 0000	00	6	1.5	200	200	15	15		B9A	P
5A/170K	141 230 817 0000	00	6.3	1.5	200	150	13	16.3		B9A	P
5A/171G	102 713 410 0000	80	6	5	100	100	20	2.7		B8D	P
5A/180M	415 238 150 0000	00	6.3		200	150	26	32		B8G	P
5A/189KY	412 381 700 0000	00	6.3	2	250	250	10	7.6		B7G	P
5AM8	147 238 191 0000	00	4.7	1.7	200	150	11.5	7.0		B9A	DP
5AN8	841 238 751 0000	00	5	6	200		13	3.3		B9A	TP
5AQ5	412 387 400 0000	00	5	2.2	200	150	9.5	6.2		B7G	P
5AR4	030 90X 020 0000	00	5	12.5	250	250	45.0	4.1		A08	RR
5AS4	030 X09 020 0000	00	5				120			A08	RR
5AS8	741 239 118 0000	00	5	2.2	200	150	9.5	6.2		B9A	DP
5AT4	030 90X 020 0000	00	5.0							A08	RR
5AT8	481 238 715 0000	00	5	1	100		8.5	5.8		B9A	TP
				1.8	250	150	7.7	4.6			
5AU4	920 90X 030 0000	00	4				180			A08	RR
5AV8	148 235 178 0000	00	5	6	200		13	3.3		B9A	TP
				2.2	200	150	9.5	6.2			
5AW4	020 90X 030 0000	00	5				120			A08	RR
5AX4	020 90X 030 0000	00	5				60			A08	RR
5AZ3	299 0XX 990 9930	00	5				120			A12	RR
5AZ4	020 90X 030 0000	00	5				60			B8B	RR
5B1	742 300 000 0000	80	2	1	150	90	2	1.4		B9A	P
5B8	148 235 178 0000	00	5	6	200		13	3.3		B9A	TP
				1.8	200	150	9.5	6.3			
5B/104D	028 740 310 0000	00	24	2.2	20	20	3	3		A08	P
5B/110M	287 104 130 0000	00	6	6	250	150	38	6.5		B8B	P
5B/250A	274 130 000 0000	80	6	12.5	400	250	83	6.3		UX5	P
5B/251M	217 044 130 0000	80	6	15	250	250	72	6		B8B	P
5B/252M	287 044 130 0000	00	6	15	250	250	72	6		B8B	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
5B/253M	287 044 130 0000	00	19	15	250	250	72	6		B8B	P
5B/254M	217 144 130 0000	80	6	20	300	250	50	5.6		B8B	P
5B/255M	287 144 130 0000	00	6	20	300	250	50	5.6		B8B	P
5B/256M	217 144 130 0000	80	19	20	300	250	50	5.6		B8B	P
5B/257M	287 144 130 0000	00	12	20	300	250	50	5.6		B8B	P
5B258M	217 144 130 0000	80	19	14	250	250	72	6		B8B	P
5B/354D	038 741 210 0000	00	6.3	20	300	150	90	10		A08	P
5B/355D	038 741 210 0000	00	6.3	20	300	150	90	10		A08	P
5BC3	203 0X0 009 0000	00	5				120			B9D	RR
5BE8	481 238 715 0000	00	4	{ 1 1	150 250	100	18 10	8.5 5.2		} B9A	TP
5BK7	851 238 411 0000	00	5	2	150		10.7	9.3		B9A	TT
5BQ7	851 238 410 0000	00	5.6	2	150		9	6.4		B9A	TT
5BR8	481 238 715 0000	00	5	{ 1 0.9	150 250	100	18 10	8.5 5.2		} B9A	TP
5BS8	841 238 510 0000	00	5.6		150		10	7.2		B9A	TT
5BT8	X91 238 741 0000	00	4.7	2.2	200	150	9.5	6.2		B9A	DDP
5BW8	X19 234 178 0000	00	4.7	1.1	250	100	10	5.2		B9A	DDP
5BX7	841 238 510 0000	00	5.6		150		10	6.8		B9A	TT
5BZ7	841 238 510 0000	00	5.6	2.2	150		10	6.8		B9A	TT
5CG4	030 90X 020 0000	00	5				60			A08	RR
5CG8	481 238 715 0000	00	4.7	{ 0.9 1.9	100 250		8.5 7.7	5.8 4.6		} B7G	TP
5CL8	481 238 715 0000	00	4.7	{ 0.9 1	150 150	125	15 12	8 5.8		} B9A	TP
5CM6	704 234 108 0000	00	4.7	12.5	250	250	45	4.1		B9A	P
5CM8	851 238 714 0000	00	4.7	{ 2 2.2	250 200	150	1.8 9.5	2 6.2		} B9A	TP
5CQ8	857 238 114 0000	00	4.2	{ 0.8 1	150 150	125	15 12	8 5.8		} B7G	TP
5CR8	851 238 714 0000	00	4.7	{ 2 2	125 125	125	12 13	4 7.7		} B9A	TP
5CU4	120 90X 030 0000	00	5				180			A08	RR
5CZ5	704 234 108 0000	00	45	6.7	100	100	43			B9A	P
5DH8	481 238 715 0000	00	5.2	{ 2.5 1	250 150	125	7 13	4.4 8.6		} B9A	TP
5DJ4	229 9XX 330 0000	00	5.0				120			A08	RR
5DN4	229 9XX 330 0000	00	5				120			A08	RR
5E255	842 370 000 0000	00	2	4.5	150	150	9.5	2.5		B5	P
5E415	842 370 000 0000	00	4	25	300	200	20	1.7		B5	P
5EA8	857 238 114 0000	00	4.7	{ 1 1	150 150	125	18 12	8.5 6.4		} B9A	TP
5EH8	148 231 578 0000	00	4.7	{ 1 1	150 150	125	13.5 12	7.5 6		} B9A	TP
5ES8	841 238 510 0000	00	5.6	1.2	90		15	12.5		B9A	TT
5EU8	848 231 517 0000	00	4.7	{ 1 1	150 150	125	18 12	8.5 6.4		} B9A	TP
5EW6	412 387 100 0000	00	5.6	0.8	150	125	11	14		B7G	P
5FC7	148 235 118 0000	00	5.1	1.2	100		15	12.3		B9A	TT
5FG7	481 238 715 0000	00	4.7	{ 1 1	150 150	125	13 11	7.5 6		} B9A	TP
5FV8	481 238 715 0000	00	4.7	{ 1 1	150 150	125	14 12	8 6.5		} B9A	TP
5GH8	857 238 114 0000	00	4.7	{ 1 1	150 150	125	13 12	8.5 7.5		} B9A	TP
5GK18	020 90X 030 0000	00	5							A08	RR
5GK20	030 90X 020 0000	00	5				120			A08	RR
5GK22	030 90X 020 0000	00	5							A08	RR
5GK24	030 90X 020 0000	00	5				120			A08	RR
5GM6	412 387 000 0000	00	5.6	56	150	150	14	13		B7G	P
5GX6	412 387 100 0000	00	4.7		150	100	3.7	3.7		B7G	P
5GX7	151 238 784 0000	00	5.6	1	125		13	8.5		B9A	TP
5HB7	151 238 784 0000	00	4.7	1	150		18	8.5		B9A	TP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
5HG8	151 234 887 0000	00	5.3	3	100		14	5.5			
				1.2	175	150	10	12		B9A	TP
φ 5J6	882 345 100 0000	00	5	0.8	100		8.5	5.3		B7G	TT
5JK6	412 387 100 0000	00	4.9	0.9	125	125	11.5	18		B7G	P
5JL6	412 387 100 0000	00	4.9	0.9	125	60	12.5	15.5		B7G	P
5KD8	857 238 114 0000	00	5.6	1	125		13.5	7.5		B9A	TP
				1	125	100	9	5			
5KE8	857 238 114 0000	00	5.6	1	125	125	13	8		B9A	TP
				0.4	125		10	12			
5LJ8	481 238 715 0000	00	5.6	0.7	125		13	8		B9A	TP
				0.5	125	125	12	13			
5MK9	002 390 000 0000	00	5				60			B7G	R
5MB8	481 238 715 0000	00	5.6	0.7	125		13	8		B9A	TP
				0.4	125	125	10	12			
5MHH3	882 345 100 0000	00	4.7	1	100		11	7.5		B7G	TT
5M-HH3	142 380 100 0000	00	4.7	1	100		11	7.5		B7G	T
5P29	120 740 310 0000	80	6	7	250	250	100	14.3		A08	P
5Q5	038 740 320 0000	00	1.4	4.6	90	90	4.5	2		A08	P
5R4	020 90X 030 0000	00	5				60			A08	RR
5RDDH1											
5RHH5	841 228 513 0000	00	4.6	1	100		0.6	0.3		B9A	TT
5RK16	900 230 0X0 0000	00	5				120			B9A	RR
5T4	020 90X 030 0000	00	5				120			A08	RR
5T4A	041 231 700 0000	80	4	4.5	250	150	4.5	1.7		B7	P
5T8	9X1 23Y 148 0000	00	4.7	3.0	250		1	1.2		B9A	DDT
5U4	020 90X 030 0000	00	5				120			A08	RR
5U8	857 238 114 0000	00	5	1	150		18	8.5		B9A	TP
				1	250	100	10	5.2			
5V3	020 90X 030 0000	00	5				120			A08	RR
5V4	030 90X 020 0000	00	5				60			A08	RR
5V6	028 740 310 0000	00	4.7	12.5	250	250	45	4.1		A08	P
5W4	020 90X 030 0000	00	5				60			A08	RR
5X3	29X 300 000 0000	00	5				15			A08	RR
5X4	009 0X0 230 0000	00	5				120			A08	RR
5X8	148 231 578 0000	00	5	1	100		8.5	5.8		B9A	TP
				1.8	250	150	7.7	4.6			
5Y3	020 90X 030 0000	00	5				60			A08	RR
5Y4	009 0X0 230 0000	00	5				60			A08	RR
5Z3	29X 300 000 0000	00	5				120			UX4	RR
5Z4	030 90X 020 0000	00	5				60			A08	RR
5Z10	020 X09 030 0000	00	5				120			B8A	RR
6/30L2	851 238 410 0000	00	6.3	7.9	200		10	3.4		B9A	TT
6A3	284 300 000 0000	00	6	36	250		60	5.25		UX4	T
6A4	284 730 000 0000	00	6	9	150	150	14	1.9		UX5	P
6A5	028 040 310 0000	00	6	45	250		60	5.25		A08	T
6A6	285 148 300 0000	00	6	5	250		3.0	1.6		UX7	TT
6A7	287 741 300 0000	40	6	8	250	100	3.5	1.1		Sm7	H
6A8	028 747 310 0000	40	6	8	250	100	3.5	1.1		A08	H
6A10C	028 741 340 0000	00	6		250	100	3.5			A08	H
6AB4	802 304 100 0000	00	6	2	250		10	5.5		B7G	T
6AB5	284 713 000 0000	00	6.3	15.5	150	150	0.1		Ra=1MΩ	UX6	TI
6AB7	021 417 380 0000	00	6	3	300	200	12.5	5		A08	P
6AB8	841 238 175 0000	00	6	2	100		4	1.4		B9A	TP
				8	200	200	17.5	3.5			
6AC5	028 040 310 0000	00	6	0	250		2.5			A08	T
6AC6	020 840 310 0000	00	6		200		45	2		A08	TT
6AC7	028 050 310 0000	00	6	2	300	150	10	9		A08	P
6AC9	021 417 380 0000	00	6								
	2X1 100 114 7830	00	6.3	1	125	125	12	10		A12	DDP
6AD4	402 013 080 0000	00	6	11.5	100		1.4	2		B8B	T
6AD5	028 040 310 0000	00	6	1	250		0.9	1.5		A08	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6AD6	028 740 310 0000	00	6.3	3	150					A08	TI
6AD7	428 758 310 0000	00	6	25	250	150	4	0.3		A08	TP
6AD8	741 238 9X1 0000	00	6.3	16.5	250	250	34	2.5		B9A	DDP
6AE5	028 040 310 0000	00	6	2	250	85	6.7	1.1		A08	T
6AE6	020 840 310 0000	00	6	15	100		7	1.2		A08	TT
	028 050 310 0000	00	6	1.5	250		6.5	1			
6AE7	028 415 310 0000	00	6.3	13.5	250		10	3		A08	TT
6AE8	051 230 480 0000	00	6	2	100		5.2	2.2		B9A	TH
	751 238 500 0000	00	6	2	250	90	3.5				
6AF3	000 230 009 0000	10	6				120			B9A	R
6AF4	842 314 800 0000	00	6	4	100		15	6.6		B7G	T
6AF5	028 040 310 0000	00	6	18	200		7	1.5		A08	T
6AF6	028 740 310 0000	00	6.3	81	150	125				A08	TI
6AF7	028 470 310 0000	00	6.3	4.5	200	200	0.16		Ra=1MΩ	A08	TI
	020 478 310 0000	00	6.3	15	200	200	0.15		Ra=1MΩ		
6AF11	285 814 181 7630	00	6.3	2	200		7	5.5		A12	TTP
				2	200		9.2	4.4			
				3	200	150	24	11			
6AG5	412 387 100 0000	00	6	1.5	250	150	6.5	5		B7G	P
6AG6	028 740 310 0000	00	6	6	250	250	32	10		A08	P
6AG7	120 417 380 0000	00	6	3	300	150	30	11		A08	P
6AH4	420 080 310 0000	00	6	23	250		30	4.5		A08	T
6AH5	720 804 310 0000	00	6	18	350	250	54	5.2		A08	P
6AH6	412 387 100 0000	00	6	2	300	150	10	9		B7G	P
6AH7	518 148 230 0000	00	6.3	9	250		12	2.4		A08	TT
6AJ4	414 484 234 0000	00	6	2	125		8	7		B9A	T
6AJ5	412 387 100 0000	00	5	7.5	200	175	2.9	2.7		B7G	P
6AJ7	020 417 380 0000	00	6		300	150	10	9		A08	P
6AJ8	751 238 184 0000	00	6	3	100		5	2.3		B9A	TH
				2	250	100	6.5	2.4			
6AK4	402 013 080 0000	00	6	2.5	250		9.5	3.8		B8D	T
6AK5	412 387 100 0000	00	6	2.3	150	150	7	4.3		B7G	P
6AK6	412 387 100 0000	00	6	9	200	175	15	2.3		B7G	P
6AK7	120 417 380 0000	00	6	3	300	150	30	11		A08	P
6AK8	Y91 23X 148 0000	00	6.3	3	250		1	1.2		B9A	DDDT
6AL3	000 230 009 0000	10	6							B9A	D
6AL5	1X2 310 900 0000	00	6							B7G	DD
6AL6	020 740 310 0000	80	6	14	250	250	72	6		A08	P
6AL11	215 118 741 7830	00	6.3	2	15	100	1.3	1		A12	FP
6AM4	414 484 234 0000	00	6	1	200		10	9.8		B9A	T
6AM5	412 380 700 0000	00	6	13.5	250	250	16	2.6		B7G	P
ξ 6AM6	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
				1.5	200	150	4	6.4			
6AM8	147 238 191 0000	00	6.3	0.9	125	125	12.5	7.8		B9A	DP
6AN4	842 314 800 0000	00	6	1.3	200		13	10		B7G	T
6AN5	412 387 100 0000	00	6	6	150	125	35	8		B7G	P
6AN6	29X YZ1 300 0000	00	6							B7G	DDDD
6AN7	051 230 084 0000	00	6	2	100		5	2		B9A	TP
	751 230 805 0000	00	6	2	250	100	3	0.7			
6AN8	841 238 751 0000	00	6	6	200		13	3.3		B9A	TP
				2.2	200	150	9.5	6.2			
6AQ4	412 314 800 0000	00	6	2	250		6	8.5		B7G	T
6AQ5	412 387 400 0000	00	6	12.5	250	250	45	4.1		B7G	P
6AQ6	412 39X 800 0000	00	6.3	2	250		1	1.2		B7G	DDT
6AQ7	91X 481 230 0000	00	6.3	2	250		2.3	1.6		A08	DDT
6AQ8	851 238 410 0000	00	6	2.3	250		10	5.5		B9A	TT
6AR5	412 387 000 0000	00	6	16	250	250	34	2.4		B7G	P
6AR6	108 072 430 0000	00	6	36	300	300	58	4.3		A08	P
6AR7	481 9X1 230 0000	00	6	2	250		1.3	1		A08	DDT
6AR7GT	208 7X9 130 0000	40	6	2	250	100	7	2.5		A08	DDP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6AR8	117 324 188 0000	00	6	3	250	250	10	4		B9A	P
6AR11	287 151 187 4130	00	6.3	0.7	125	125	11	10.5		A12	PP
6AS4	001 090 230 0000	00	6							A08	R
6AS5	142 347 800 0000	00	6	8.5	150	125	35	5.6		B7G	P
6AS6	412 387 100 0000	00	6	2	150	125	5.5	3.5		B7G	P
6AS7	{ 501 481 230 0000	00	6	40	100		50	7		A08	TT
	581 401 230 0000	00									
6AS8	741 239 118 0000	00	6	2.2	200	150	9.5	6.2		B9A	DP
6AS11	285 814 181 7630	00	6.3	{ 2	200		7	5.5			
				2	200		9.2	4.4		A12	TTP
				2	200	125	24	10.5			
6AT6	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
6AT7	851 228 413 0000	00	6	{ 2	250		10	5.5			
				1	100		3.7	4		B9A	TT
6AT8	481 238 715 0000	00	6	{ 1	100		8.5	5.8			
				1.8	250	150	7.7	4.6		B9A	TP
6AU4	001 090 230 0000	00	6				120			A08	R
6AU5	421 080 370 0000	00	6	20	200	150	50	5.6		A08	P
6AU6	412 387 100 0000	00	6	1	250	150	10	5.2		B7G	P
6AU7	841 228 513 0000	00	3	8.5	250		10	2.2		B9A	TT
6AU8	148 231 578 0000	00	6	{ 1.2	150		8.5	4.8			
				1.5	200	125	15	7		B9A	TP
6AV4	902 30X 100 0000	00	6				30			B7G	RR
6AV5	421 080 370 0000	00	6	22.5	250	150	57	5.9		A08	P
6AV6	412 39X 800 0000	00	6	2	250		1.2	1.6		B7G	DDT
6AV8	485 231 871 0000	00	6.3	{ 6	200		13	3.3			
				2.2	200	150	9.5	6.2		B9A	TP
6AV11	281 181 504 8630	00	6.3	8.5	250		10.5	2.2		A12	TTT
6AW4	29X 130 000 0000	00	6				30			UX5	RR
6AW5	209 1X0 310 0000	00	6				30			A08	RR
6AW6	412 387 100 0000	00	6	1.8	250	150	7	5		B7G	P
6AW7	14X 918 230 0000	00	6	0	100		1.4	1.2		A08	DDT
6AW8	148 231 578 0000	00	6	{ 2	200		4	4			
				3	200	150	13	9		B9A	TP
6AX2	230 232 032 0000	90	6				120			B9A	R
6AX3	200 900 100 8030	00	6.3				120			A12	R
6AX4	001 090 230 0000	00	6				120			A08	R
6AX5	02X 090 310 0000	00	6				60			A08	RR
6AX6	029 1X0 310 0000	00	6				120			A08	RR
6AX7	841 228 513 0000	00	3	2	250		1.2	1.6		B9A	TT
6AX8	857 238 114 0000	00	6	{ 1	150		18	8.5			
				1.2	250	100	10	4.8		B9A	TP
6AY3	090 230 901 0000	00	6				120			B9D	R
6AY5	023 740 310 0000	80	6.3	12.5	250	250	47	4.1		A08	P
6AY8	028 79X 310 0000	40	6	5	250	100	50	9.5		A08	DDP
6AY11	219 158 841 X130	00	6.3	2	250		1.2	1.9		A12	DDTT
6AZ5	910 230 1X0 0000	00	6							B8A	DD
6AZ6	093 113 X00 0000	00	6							B8A	DD
6AZ8	871 325 184 0000	00	6	{ 6	200		13	3.3			
				2.3	200	150	9.5	6		B9A	TP
6B3	090 230 909 0000	10	6							B9A	D
6B4	028 040 300 0000	00	6	45	250		60	5.2		A08	T
6B6	028 9X0 310 0000	40	6	2	250		0.9	1.1		A08	DDT
6B7	287 9X1 300 0000	40	6	3	250	150	9	1.1		Sm7	DDP
6B8	028 X97 310 0000	40	6	3	250	150	10	1.3		A08	DDP
6B10	215 848 1X1 9030	00	6.3	9.5	250		7	1.8		A12	DDTT
6B11	288 474 130 0000	00	6	{ 3	100		5	2.3			
					150	125	5			B9A	TH
6B31	921 013 X00 0000	00	6.3							B7G	DD
6B32	192 310 X00 0000	00	6.3		150		9			B7G	DD
6BA3	090 230 901 0000	00	6.3				180			B9A	R
6BA5	402 083 710 0000	00	6	2	100	100	5.5	2.1		B8A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6BA6	412 387 100 0000	00	6	1	250	100	11	4.4		B7G	P
6BA7	841 231 108 0000	00	6	2	100		18	7.0		B9A	H
6BA11	217 418 114 1830	00	6.3	11	250		5.0	1.8		A12	TPP
6BA8	148 231 578 0000	00	6	8	100	60	8	1.7		B9A	TP
6BC4	844 231 448 0000	00	6	2.5	200	150	13	9		B8A	T
			6	1.5	150		14.5	10			
6BC5	412 387 100 0000	00	6	1.3	250	150	7.5	5.7		B7G	P
6BC7	190 23X 1Y1 0000	00	6				5			B9A	RRR
6BC8	841 238 510 0000	00	6.3	2.2	150		10	6.2		B9A	TT
6BC32	412 39X 800 0000	00	6.3	2	250		1	1.6		B7G	DDT
6BD5	421 080 370 0000	00	6	12	200	200		5		A08	P
6BD6	412 387 100 0000	00	6	3	250	100	9	2		B7G	P
6BD7	841 239 0X0 0000	00	6	3.0	250		1.0	1.2		B9A	DDT
6BD11	285 814 181 7630	00	6.3	2	200		7	5.5		A12	TTP
			6.3	2.1	200	150	9.2	4.4			
6BE3	200 900 100 9030	00	6.3		150		17	10.4		A12	R
6BE6	412 388 400 0000	00	6	6	150		20			B7G	H
6BE7	741 238 114 0000	00	6	1	250	20	0.95	0.7		B9A	N
6BE8	481 238 715 0000	00	6	1	150		18	8.5		B9A	TP
			6	1	250	100	10	5.2			
6BF5	412 387 400 0000	00	6	7.5	100	100	36	7.5		B7G	P
6BF6	412 3X9 800 0000	00	6	9	250		9.5	1.9		B7G	DDT
6BF7	842 113 580 0000	00	6	0.8	100		8	4.8		B8D	TT
6BF11	215 017 841 7830	00	6.3	6	150	100	38	8.6		A12	PP
6BG6	021 040 370 0000	80	6	1.8	150	100	1.3	1		A08	P
6BG7	852 113 480 0000	00	6	15	250	75	6			B9A	TT
6BH3	090 230 901 0000	00	6.3	0.8	100		8	4.8		B9D	R
6BH5	741 238 000 0000	00	6	2.5	250	100	6	1.7		B9A	P
6BH8	148 321 578 0000	00	6	5	150		9.5	3.3		B9A	TP
			6	1.6	200	125	15	7			
6BH11	281 514 867 8130	00	6.3	1	125		8.5	13.5		A12	TTP
			6	1	125	125	12	7.5			
6BJ5	412 380 700 0000	00	6	5	250	250	35	10.5		B7G	P
6BJ6	412 387 100 0000	00	6	1	250	100	9.2	3.6		B7G	P
6BJ7	1Y0 23X 191 0000	00	6							B9A	DDD
6BJ8	911 23X 841 0000	00	6	9	250		8	2.8		B9A	DDT
6BK5	804 231 470 0000	00	6	5	250	250	35	8.5		B9A	P
6BK6	412 39X 800 0000	00	6	2	250		1.2	1.6		B7G	DDT
6BK7	851 238 410 0000	00	6.3	1.0	100		18	9.3		B9A	TT
6BK8	701 238 014 0000	00	6		150	150	3	1.8		B9A	P
6BL4	001 090 230 0000	00	6				180			A08	R
6BL7	581 481 230 0000	00	6	9	250		40	7		A08	TT
6BL8	857 238 114 0000	00	6	2	100		14	5		B9A	TP
6BM5	412 387 400 0000	00	6	2	200	175	10	6.2		B9A	P
6BM8	415 238 718 0000	00	6	6	250	250	30	7			
			6	1	200		3.7	2.5		B9A	TP
			6	16	200	200	35	6.4			
6BN4	142 381 400 0000	00	6	2.2	150		9	7		B7G	T
6BN5	441 231 817 0000	00	6	10.8	250	225	26	3.2		B9A	P
6BN6	142 374 800 0000	00	6	1	60	60	0.5	1.0		B7G	P
6BN7	851 231 408 0000	00	6	15	250		24	5.5		B9A	TT
6BN8	911 23X 841 0000	00	6.3	1	125		5	2			
			6.3	3	250		1.6	2.5		B9A	DDT
6BP16	280 173 041 0000	00	6.3		250	150	50	26		B9A	P
6BQ5	041 230 807 0000	00	6	7.3	250	250	48	11.3		B9A	P
6BQ6	020 740 310 0000	80	6	22.5	250	150	57	5.9		A08	P
6BQ7	851 238 410 0000	00	6	2	150		9	6		B9A	TT
6BR5	041 230 807 0000	00	6.3	14	200	200	0.4		Ra=0.5MΩ	B9A	TI
6BR7	041 230 871 0000	00	6	3	250	100	2	1.2		B9A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6BR8	481 238 715 0000	00	6	1 0.8	150 250	100	18 10	8.5 5.2		B9A	TP
6BS3	090 230 901 0000	00	6.3				180			B9D	R
6BS4	842 314 800 0000	00	6	4	100		16	8		B7G	T
6BS5	741 238 001 0000	00	6	7.5	250	250	50	7		B9A	P
6BS7	001 230 871 0000	40	6	3	250	100	2	1.2		B9A	P
6BS8	841 238 510 0000	00	6	2.2	150		10	7.2		B9A	TT
6BT4	290 00X 130 0000	00	6				30			B9A	RR
6BT6	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
6BT8	9X1 238 741 0000	00	6	2.2	200	150	9.5	6.2		B9A	DDP
6BU6	412 39X 800 0000	00	6	9	150		9.5	1.9		B7G	DDT
6BU8	178 231 401 0000	00	6		100	60	2.2	1.5		B9A	PP
	170 231 581 0000	00									
6BV7	987 23X 141 0000	00	6	5	250	250	38	10		B9A	DDP
6BV8	148 23X 119 0000	00	6	3.7	200		11	5.6		B9A	DDT
6BW4	900 230 X01 0000	00	6				30			B9A	RR
6BW6	041 230 871 0000	00	6	13	300	225	34	3.7		B9A	P
6BW7	141 230 871 0000	00	6	2.4	250	250	9.7	8.2		B9A	P
6BW8	X19 234 178 0000	00	6.3	1.1	250	100	10	5.2		B9A	DDP
6BX4	902 30X 100 0000	00	6				30			B7G	RR
6BX6	141 230 871 0000	00	6	3	200	200	8	7.2		B9A	P
6BX7	581 481 230 0000	00	6	16.4	250		42	7.6		A08	TT
6BX8	841 238 510 0000	00	6	5	150		11	7.5		B9A	TT
6BY5	120 X90 310 0000	00	6				60			A08	RR
6BY6	412 387 400 0000	00	6	2.5	250	100	6.5	2.4		B7G	H
6BY7	141 230 871 0000	00	6	2	250	100	10	6		B9A	P
6BY8	411 239 871 0000	00	6.3	1.1	100	100	5	3.9		B9A	DP
6BZ6	412 387 100 0000	00	6	1	100	125	14	8		B7G	P
6BZ7	851 238 410 0000	00	6	2.2	150		10	6.8		B9A	TT
6BZ8	841 238 510 0000	00	6	1	150		10	8		B9A	TT
6C2C	028 458 300 0000	00	6.3	8	250		9	2.6		A08	TT
6C3M	028 040 300 0000	00	2	2.5	150		1.5	1.3		A08	T
6C4	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
6C4C	028 040 300 0000	00	6.3		250		60	5.2		A08	T
6C5	028 040 310 0000	00	6	8	250		8	2		A08	T
6C6	287 113 000 0000	40	6	3	250	100	2	1.2		UX6	P
6C7	280 9X1 300 0000	40	6	9	250		4.5	1.2		Sm7	DDT
6C8	028 148 310 0000	50	6.3	4.5	250		3.2	1.6		A08	TT
6C9	208 405 130 0000	00	6	2.5	100		5	3		B8A	TH
	280 575 130 0000	00		2.5	150	100	8	2.5			
6C9	478 231 578 1000	00	6.3	1	125	75	10	8		A10	PP
6C10	280 404 130 0000	00	6	2	100		5	2.2		B8A	TH
6C10	208 575 130 0000	00		2	250	100	8	2.4			
6C10	281 181 504 8630	00	6.3	2	250		1.2	1.6		A12	TTT
6C12	751 238 184 0000	00	6.3	3	100		3	2		B9A	TH
				2	250	100	6.5	2.4			
6C16	857 238 114 0000	00	6	2	100		14			B9A	TP
				2	200	175	10	6.2			
6C18	878 231 514 0000	00	6.3	3	100		14	5.5		B9A	TP
				1.5	125	125	10	11			
6C31	020 048 310 0000	40	6	4	100		7	3.4			
	028 750 310 0000	50		3	250	100	5	2.8			
6C31	412 344 800 0000	00	6.3	15	150			12		B7G	T
6CA4	901 230 X00 0000	00	6				60			B9A	RR
6CA5	142 347 800 0000	00	6	4.5	150	125	36	9.2		B7G	P
6CA7	128 740 310 0000	00	6	14.5	250	250	57	8.5		A08	P
6CB5	721 441 370 0000	80	6.3	30	175	175	90	8.8		A08	P
6CB6	412 387 100 0000	00	6.3	2	200	150	9.5	6.2		B7G	P
6CC10	481 581 230 0000	00	6.3	9	250		6.5	2.2		B8A	TT
6CC31	882 354 100 0000	00	6.3		200		6	3		B7G	TT
6CC40	841 238 510 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
6CC41	851 238 410 0000	00	6.3	1.5	250		2.3	2		B9A	TT
6CC42	214 808 513 0000	00	6.3	2	150		8	5.2		B9A	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
6CC43	841 238 510 0000	00	6.3	2.3	250		10	5.9		B9A	TT
6CD6	021 040 370 0000	80	6	30	200	175	75	7.7		A08	P
6CD7	028 748 310 0000	00	6.3	4.2	250	250			Ra=1MΩ	A08	TI
6CE3	200 900 100 9030	00	6.3	12.5	250	250	1		Ra=1MΩ	A12	R
6CE5	412 387 100 0000	00	6	1	200	125	180	11		B7G	P
6CF5	402 387 100 0000	00	6.3	4	150	125	11	7.6		B7G	P
6CF6	412 387 100 0000	00	6	1	200	125	12	7.8		B7G	P
6CF8	701 238 014 0000	00	6	2	250	150	3	1.85		B9A	P
6CG6	412 387 100 0000	00	6	8	250	150	9	2		B7G	P
6CG7	841 238 510 0000	00	6	8	250		9	2.6		B9A	TT
6CG8	481 238 715 0000	00	6	2	100	150	8.5	5.8		B9A	TP
6CH3	090 230 901 0000	00	6.3		250	250	180	7.7		B9A	R
6CH6	041 230 871 0000	00	6	4.5	250	250	40	11		B9A	P
6CH7	851 238 410 0000	00	6	2.2	150		10	6.8		B9A	TT
6CH8	187 321 548 0000	00	6	2	200		13	3.3		B9A	TP
6CH40	751 238 584 0000	00	6.3	2.2	200	150	9.5	6.3		B9A	TP
6CJ5	280 074 130 0000	00	6	2	100	100	4.5			B9A	TH
6CJ6	041 230 071 0000	80	6	2.5	250	100	6	3.2		B8A	P
6CK4	424 080 310 0000	00	6	28	200	200	45	2.2		B9A	P
6CK5	281 074 130 0000	00	6	7	250	250	40	5.5		A08	T
6CK6	741 231 800 0000	00	6	5.5	250	250	36	10		B8A	P
6CL5	721 441 370 0000	80	6.3	40	150	150	80	6.3		B9A	P
6CL6	147 238 174 0000	00	6	3	250	150	30	11		B9A	P
6CL8	481 238 715 0000	00	6	0.8	150		15	8		B9A	TP
6CM4	841 234 148 0000	00	6	1.0	150	125	12	5.8		B9A	T
6CM6	704 234 108 0000	00	6		200		12	14		B9A	P
6CM7	801 238 451 0000	00	6	12.5	250	250	45	4.1		B9A	TT
6CM8	851 238 714 0000	00	6	7	200		5	2		B9A	TP
6CN5	028 740 310 0000	00	6	8	250	150	1.8	2		B9A	TP
6CN6	120 740 310 0000	00	6.3	18	350	250	9.5	6.2		A08	P
6CN7	X91 331 482 0000	00	6	7	250	250	66	5.2		A08	P
6CQ4	001 090 230 0000	00	6		200		100	14.3		B9A	P
6CQ6	412 381 700 0000	00	6	2.5	250	200	8	2.5		B7G	DDT
6CQ8	857 238 114 0000	00	6.3	0.8	150		15	8		A08	R
6CR4	414 484 234 0000	00	6.3	1	150	125	12	5.8		B7G	P
6CR5	174 231 741 0000	80	6.3	1	150		16	6		B9A	TP
6CR6	192 387 400 0000	00	6	22.5	250	150	65	6		B9A	T
6CR8	851 238 714 0000	00	6	2	250	100	9.5	2		B9A	P
6CS5	714 234 108 0000	00	6	2	150		12	4		B7G	DT
6CS6	412 387 100 0000	00	6	10	150	125	13	7.7		B9A	TP
6CS7	805 238 411 0000	00	6	1	200	125	47	8		B9A	P
6CS8	841 238 714 0000	00	6	1	100	30	1	1.1		B7G	H
6CT7	289 174 130 0000	00	6	8.5	250		10.5	2.2		B9A	TT
6CU5	142 347 800 0000	00	6	10.6	250		19	4.5		B9A	TP
6CU6	020 740 310 0000	80	6	2	150	125	13	4		B9A	TP
6CU7	288 475 130 0000	00	6	0.9	150	100	5	1.8		B8A	DP
6CU8	187 231 548 0000	00	6	2	250	100	50	7.5		B8G	P
6CV7	284 09X 130 0000	00	6	22.5	250	150	57	5.5		A08	P
6CW4	080 400 010 2030	00	6.3	2	100		5	2.2		B8A	TH
6CW5	041 230 807 0000	00	6	2	250	100	8	2		B9A	TP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6CW7	148 235 118 0000	00	6	1.5	90		12	6		B9A	TT
6CX7	841 238 511 0000	00	6	2	150		9	6.4		B9A	TT
6CX8	148 231 578 0000	00	6.3	1.5	150		9	4.6		B9A	TP
6CY5	412 387 100 0000	00	6	1	150	125	24	10		B7G	P
6CY7	805 238 411 0000	00	6.3	3	250		1.2	1.3		B9A	TT
				18.5	150		30	5.4			
6CZ5	704 234 108 0000	00	6	14	250	250	46	4.8		B9A	P
6D1	123 000 000 0000	90	6							B3G	D
6D2	1X2 310 900 0000	00	6							B7G	RR
6D3	912 390 000 0000	00	6							B7G	R
6D5	028 040 310 0000	00	6	40	300		31	2.1		A08	T
6D6	287 113 000 0000	40	6	3	250	100	2	1.2		Sm7	P
6D7	287 101 300 0000	00	6	3	250	100	2	12.2		A08	P
6D10	281 181 504 8630	00	6.3	1	125		4.2	4.2		A12	TTT
6DA4	001 090 230 0000	00	6				120			A08	R
6DA6	041 230 871 0000	00	6	2	250	100	9	3.6		B9A	P
6DA7	805 238 411 0000	00	6	8	250		9	2.6		B9A	TT
6DB5	714 234 108 0000	00	6	17.5	150		40	5.7		B9A	P
6DB6	412 387 100 0000	00	6	9.6	200	125	46	8		B7G	P
6DC6	412 387 100 0000	00	6	1	150	150	5.8	2		B7G	P
6DC8	741 238 8X1 0000	00	6	2.2	200	150	9.5	5.5		B9A	DDP
			6	2	250	100	9	3.8			
6DDHV1	157 238 984 0000	00	6	2	250		9.1	1.6		B9A	DTP
6DE4	001 090 230 0000	00	6	1	250	100	9	3.5		A08	R
6DE6	412 387 100 0000	00	6	1.1	150	125	16	8		B7G	P
6DE7	855 238 411 0000	00	6	17.5	150		32	6.5		B9A	TT
				11	250		5.5	2			
6DG6	028 740 310 0000	00	6	7.5	200	125	47	8		A08	P
6DG7	041 230 871 0000	00	6	20	250	100	11	4.4		B9A	P
6DJ8	841 238 511 0000	00	6	1.3	90		15	12.5		B9A	TT
6DK6	412 387 100 0000	00	6	0.9	150	125	12	9.8		B7G	P
6DL4	414 234 484 0000	00	6		150		12.5	14		B9A	T
6DL5	412 387 400 0000	00	6	7.3	250	225	26	5.5		B7G	P
6DM4	001 090 230 0000	00	6				180			A08	R
6DN6	021 040 370 0000	80	6	18	200	125	70	9		A08	P
6DN7	481 581 230 0000	00	6	9.5	250		34	7.4		A08	TT
6DC4	001 090 230 0000	00	6.3				120			A08	R
6DQ5	421 741 370 0000	80	6	17.5	150	100	10.5			A08	P
6DQ6	020 740 310 0000	80	6	22.5	250	150	75	6.6		A08	P
6DQ8	481 238 141 0000	00	6.3	1.7	200		3	11		B9A	TP
				2.1	200	175	18	6.5			
6DR4	123 000 000 0000	90	6							B3G	D
6DR6	041 230 071 0000	00	6	23	200	175	45	6.6		B9A	P
6DR7	855 238 411 0000	00	6	17.5	150		35	6.5		B9A	TT
				3	250		1.4	1.6			
6DR8	741 238 9X1 0000	00	6		12	12	45			B9A	DDP
6DS4	080 400 010 2030	00	6.3	0.9	100		6.5	9		NV5	T
6DS5	412 387 100 0000	00	6	8.5	250	200	29	5.8		B7G	P
6DS8	751 238 584 0000	00	6		12		0.7	1.4		B9A	TP
					12	12	0.4	0.7			
6DT5	704 230 108 0000	00	6.3	16.5	250	250	38	6.5		B9A	P
6DT6	412 387 100 0000	00	6.3	2.2	150	100	1.1	0.8		B7G	P
6DT8	851 238 410 0000	00	6.3	2.5	250		10	5.5		B9A	TT
6DV4	880 404 100 2030	00	6.3	1	75		10.5	11.5		NV7	T
6DW4	090 230 901 0000	00	6.3				180			B9D	R
6DW5	704 234 108 0000	00	6.3	22.5	200	150	55	5.5		B9A	P
6DX8	481 238 157 0000	00	6.3	1.7	200		3	4		B9A	TP
				2	170	170	18	10.4			
6DY7	041 230 807 0000	00	6.3	12.5	250	150	50	6		B9A	P
6DZ4	842 314 800 0000	00	6.3	0.3	75		15	6.7		B7G	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6DZ7	428 718 310 0000	00	6.3	7.3	250	250	48	11.3		A08	PP
6DZ8	415 238 718 0000	00	6	}	150		0.8	1.4		B9A	TP
					150	125	45	7.5			
6E4	751 238 584 0000	00	6.3		200		5.4			B9A	TH
6E5	284 713 000 0000	00	6.3	7.5	200	100	3.7		Ra=1MΩ	UX6	TI
6E6	285 148 300 0000	00	6	27.5	250	250	0.2			UX7	TT
6E7	287 101 300 0000	40	6	2	250	100	8.2	1.6		Sm7	P
6E8	020 748 310 0000	50	}	{	4.8	150	3.3	2.8		}	A08 TH
	028 740 310 0000	50			2.3	250	100	2.3	3.5		
6E102	802 301 470 0000	00			6.3	7	250	250	72	F8	P
6EA5	412 387 100 0000	00	6.3	1	250	150	10	8		B7G	P
6EA6	481 581 230 0000	00	6.3	25	200		48	6.5		A08	TT
6EA7	481 581 230 0000	00	6.3	{	3	250	2	2.2		}	A08 TT
					25	175	40	6.0			
6EA8	857 238 114 0000	00	6.3		1	150	18	8.5			
					1	125	125	12	6.4	B9A	TP
6EB5	192 310 X00 0000	00	6.3				7			B7G	DD
6EB8	148 231 578 0000	00	6	{	2	250	2	2.7		}	B9A TP
					2	200	125	25	12		
6EF6	028 740 310 0000	00	6.3	18	250	250	50	5		A08	P
6EI5	142 347 800 0000	00	6	3.2	100	125	42	14.6		B7G	P
6EH6	412 387 100 0000	00	6	1	250	150	7.4	4.6		B7G	P
6EH7	141 230 871 0000	00	6.3	2	200	90	12	12.5		B9A	P
6EH8	148 231 578 0000	00	6	{	1	150	13	7.5		}	B9A TP
					1	150	125	12	6		
6EJ7	141 230 871 0000	00	6.3	2.5	200	200	10	15		B9A	P
6EL7	141 230 871 0000	00	6.3	1.8	200	175	10	8.8		B9A	P
6EM5	704 234 108 0000	00	6	18	250	250	35	5.1		B9A	P
6EM7	581 481 230 0000	00	6.3	{	3	250		1.4	1.6	}	A08 TT
					20	150	50		7.2		
6EQ7	141 237 890 0000	00	6.3		100	100	9	3.9		B9A	DP
6ER5	142 381 010 0000	00	6.3	1.2	200		10	10.5		B7G	T
6ES5	142 380 100 0000	00	6.3	1	200		15	9.5		B7G	P
6ES6	412 387 100 0000	00	6.3	0.7	12	12				B9A	P
6ES8	841 238 510 0000	00	6.3	1.2	90		15	12.5		B9A	TT
6ET6	412 387 100 0000	00	6.3	1	12	12	4.8	3		B7G	P
6ET7	19X 231 478 0000	00	6.3	3	200	150	25	11.5		B9A	DDP
6EU7	230 148 851 0000	00	6.3	2	250		1.2	1.6		B9A	TT
6EUE	848 231 517 0000	00	6	{	1	150	18	8.5		}	B9A TP
					1	150	100	12	6.4		
6EV5	412 387 100 0000	00	6.3	1	200	80	11.5	8.8		B7G	P
6EV6	841 238 510 0000	00	6.3	2	250		9.2	5.2		B9A	TT
6EV7	841 238 510 0000	00	6.3	2.0	250		9.2	5.2		B9A	TT
6EW6	412 387 100 0000	00	6	0.8	150	125	11	14		B7G	P
6EW7	855 238 411 0000	00	6.3	{	17.5	150	45	7.5		}	B9A TT
					11	250		5.5	2		
6EX4	902 30X 100 0000	00	6				30			B9A	RR
6EX6	021 040 370 0000	80	6.3		200	150	67	7.7		A08	P
6EY6	028 740 310 0000	00	6.3	17.5	250	250	44	4.4		A08	P
6EZ5	028 740 310 0000	00	6.3	20	250	250	43	4.1		B8A	P
6EZ8	168 238 584 0000	00	6.3	1	150		4.2	4.2		B9A	TTT
6F1	281 714 130 0000	00	6	1.8	200	200	10	9		B8A	P
6F5	020 800 310 0000	40	6	2	250		0.9	1.5		A08	T
6F6	028 740 310 0000	00	6	16.5	250	250	34	2.5		A08	P
6F7	287 841 300 0000	50	6	{	3	100	3.5	0.5		}	Sm7 TP
					3	100	6.3	1			
					3	100	3.5	0.5			
6F7M	023 878 410 0000	50	6	{	3	100	6.3	1		}	UX7 TP
					3	100	100	9	2.6		
6F8	028 158 310 0000	40	6	8	250		9			A08	TT
6F10	021 417 380 0000	00	6.3	2	300	150	10	9		A08	P
6F11	280 174 130 0000	00	6	1.8	250	100	4.4	2.2		B8A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
ξ 6F12	412 381 700 0000	00	6	2	250	250	10	7.5			
6F13	280 174 130 0000	00	6	1.5	200	150	4	6.4		B7G	P
6F14	280 174 130 0000	00	6	1.8	200	200	10	9		B8A	P
6F15	281 174 130 0000	00	6	1.25	150	150	28	10.6		B8A	P
6F16	281 174 130 0000	00	6	2.5	250	100	7	2.3		B8A	P
		00	6	2.5	250	100	6	2.2		B8A	P
6F17	412 381 700 0000	00	6	5	100	100	12.5	4.0		B7G	P
6F18	141 230 871 0000	00	6	1.3	200	100	12	4.5		B9A	P
6F19	141 230 871 0000	00	6	2	250	100	10	6		B9A	P
6F20	141 230 871 0000	00	6.3	2	200	175	10	6		B9A	P
6F21	412 381 700 0000	00	6	2.5	250	200	7.8	2.5		B7G	P
6F22	701 238 014 0000	00	6	2	250	150	3	1.8		B9A	P
6F23	141 231 871 0000	00	6.3	2	200	175	10	9.2		B9A	P
6F24	141 230 871 0000	00	6.3		200	200	10	15		B9A	P
6F24	281 174 130 0000	00	6.3	2.1	250	200	15	10.5		B8B	P
6F25	141 230 871 0000	00	6.3		200	200	11.5	12.5		B9A	P
6F26	141 230 871 0000	00	6.3	2	250	100	10	6		B9A	P
6F28	041 234 870 0000	00	6.3	2.9	200	200	10	12.5		B9A	P
6F29	141 230 871 0000	00	6.3	2	200	90	12	12.5		B9A	P
6F30	141 230 871 0000	00	6.3	2.5	200	200	10	15.4		B9A	P
6F31	412 387 100 0000	00	6.3	1	250	100	11	4.2		B7G	P
6F32	412 387 100 0000	00	6.3		200	125	8	4.6		B7G	P
6F32	218 710 030 0000	40	6	4.5	200	200	5.1	3		M08	P
6F33	412 381 700 0000	00	6.3	2	125	125	5.2	3.5		B7G	P
6F35	412 387 100 0000	00	6.3		40	30	2.7	2.7		B7G	P
6F36	412 387 100 0000	00	6.3		300	150	10	9		B7G	P
6F40	111 231 874 0000	00	6.3	2	250	150	3	2		B9A	P
6F41	141 230 871 0000	00	6.3	2.0	150	150	10	7.4		B9A	P
6F60	041 230 887 0000	00	6.3	23	250	200	55	5		B9A	P
6F80	741 231 800 0000	00	6.3		200	200	36	10		B9A	P
6FG7	148 235 018 0000	00	6.3	1.2	90		15	12		B9A	TT
6FD6	412 387 100 0000	00	6.3		12	12		1.4		B7G	P
6FD7	855 238 411 0000	00	6.3	17.5	150		45	7.5		B9A	TT
6FD12	741 238 9X1 0000	00	6.3	2	250	100	9	3.8		B9A	DDP
6FE5	028 740 310 0000	00	6.3	12.5	100	100	94	9.5		A08	P
6FG5	412 387 100 0000	00	6.3	0.2	250	250	9	9.5		B7G	P
6FG7	481 238 715 0000	00	6.3	1	125	125	13	7.5		B9A	TP
6FH5	142 380 100 0000	00	6.3	1	150		11	9		B7G	T
6FH6	020 740 310 0000	80	6.3	22.5	250	150	75	6		A08	P
6FJ7	204 080 101 5830	00	6.3	8	250		8	2.5		A12	TT
6FJ8	210 741 390 0000	80	6.3	9.5	250		41	7.7		A08	DP
			6.3	22.5	250	150	75	6.6			
6FLD12	741 238 9X1 0000	00	19	2	250	100	9	3.8		B9A	DDP
6FM7	205 080 151 4830	00	6.3	3	250		2	2.2		A12	TT
6FM8	191 23X 148 0000	00	6.3	25	175		40	6		B9A	DDT
6FN5	721 441 370 0000	00	6.3	3	250		1	1.2		B8A	P
6FQ5	142 380 100 0000	00	6.3	22.5	200	150	100	10		B7G	T
			6.3	1.2	150		11	11			
6FQ7	841 238 510 0000	00	6.3	8	250		9	2.6		B9A	TT
6FR7	855 238 411 0000	00	6.3	3	250		1.4	6.8		B9A	TT'
			6.3	20	150		50	5.4			
6FS5	412 387 100 0000	00	6.3	0.2	300	150	9	10		B7G	P
6FV6	402 387 100 0000	00	6.3	1	150	75	10	8		B9A	P
6FV8	481 238 715 0000	00	6	1	150	125	14	8.5		B9A	TP
			6	1	150		12				
6FW5	421 080 370 0000	00	6.3	22.5	250	150	65	7.3		A08	P
6FW8	851 238 410 0000	00	6.3	1.2	100		15	13		B9A	TT
6FX4	902 30X 100 0000	00	6				30			B7G	RR
6FY5	142 380 100 0000	00	6.3	1	150		11	13		B9A	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6FY7	205 080 101 4830	00	6.3	3	250		1.4	1.6	Ra=1MΩ	A12	TT
6FY8	415 238 718 0000	00	6	17.5 1.5 13.5	150 150 125		35 2.5 7	6.5 2		B9A	TP
6G5	284 713 000 0000	00	6.3	22	250	250	0.2			UX6	TI
6G6	028 740 310 0000	00	6	9	200	175	15	2.3		A08	P
6G7	028 X97 310 0000	40	6	3	250	125	10	1.3		A08	DDP
6G8	028 X97 310 0000	40	6	3	250	125	9	1.1		A08	DDP
6G11	215 108 741 7830	00	6.3	8 1.8	125 150	100 100	49 1.3	7.5 1.0		A12	PP
6GA4	028 040 310 0000	00	6.3	18.5	250		60	7		A08	T
6GA7	277 410 810 0930	00	6.3	22.5	250	150	120 75	6.6		A12	RP
6GA8	841 238 510 0000	00	6.3		250		8			B9A	TT
6GA8	428 040 310 0000	00	6.3	18.5	250		50	7		A08	T
6GB3	030 740 310 0000	80	6.3	7.7	100	100	100	14		A08	P
6GB6	020 740 310 0000	80	6.3	22.5	250	150	6.5	6		A08	P
6GB7	020 740 310 0000	80	6.3	7.7	100	100	100	14		A08	P
6GB9	020 740 310 0000	80	6.3	22.5	250	150	75	6.6		A08	P
6GC5	714 234 178 0000	00	6.3	7.5	100	100	50	8		B9D	P
6GC6	021 740 370 0000	80	6.3	22.5	250	150	75	6.6		A08	P
6GD7	481 238 715 0000	00	6.3	1	125		15	10		B9A	TP
6GE5	274 100 800 1430	00	6.3	1 22.5	175 250	150 150	10 65	12 7.3		A12	P
6GE8	714 238 158 0000	00	6.3	21 2	150 150	150	35 5.5	5 3.2		B9A	TP
6GF5	274 100 800 1430	00	6.3	26.5	250	150	34	4.7		A12	P
6GF7	151 238 084 0000	00	6.3	3 20	250 150		1.4 50 30	1.6 7.2		B9D	TT
6GG6	902 300 1X0 0000	00	6							F8	RR
6GH8	857 238 114 0000	00	6	1 1	150 150	125	13.5 12	8.5 7.5		B9A	TP
6GJ5	741 234 700 0000	80	6.3	22.5	250	150	70	7.1		B9D	P
6GJ7	151 238 784 0000	00	6.3	1.2	200 200		14 10	3.7 11		B9A	TP
6GJ8	857 238 114 0000	00	6.3	1 1	150 125	125	13.5 12	8.5 7.5		B9A	TP
6GK5	142 380 100 0000	00	6.3	1	150		11.5	15		B7G	T
6GK6	141 230 871 0000	00	6.3	7.3	250	250	48	11.3		B9A	P
6GK17	001 090 230 0000	00	6.3				120			A08	R
6GM5	700 234 108 0000	00	6.3	10	300	300	60	10.2		B9A	P
6GM6	412 387 100 0000	00	6.3	56	150	25	14	13		B7G	P
6GN6	412 387 900 0000	00	6.3	68	250	100	11	4.4		B7G	DP
6GN8	148 231 578 0000	00	6.3	2 3	250 200	150	2 25	2.7 11.5		B9A	TP
6GQ7	1Y0 23X 191 0000	00	6.3				5			B9A	DDD
6GS8	170 231 481 0000	00	6.3		100	75	2	1.2		B9A	PP
6GT5	178 231 501 0000	00	6.3	42	250	150	70	7.1		B9D	P
6GU5	741 234 708 0000	00	6.3	0.4	150	150	9	15		B7G	P
6GU7	412 387 100 0000	00	6.3	10.5	250		11.5	3.1		B9A	TT
6GV5	851 238 410 0000	00	6.3	22.5	250	150	65	7.3		A12	P
6GV7	207 140 704 1730	80	6.3								
6GV7	878 231 514 0000	00	6.3	1.5	100 150	150	14 11	5.5 11		B9A	TP
6GV8	841 238 715 0000	00	6.3	0.6	100		5	6.5		B9A	TP
6GW5	842 314 100 0000	00	6.3	15 1	200 150	175	41 13	7.5 15		B7G	T
6GW6	020 740 310 0000	80	6.3	22.5	250	150	70	7.1		A08	P
6GW8	417 238 158 0000	00	6.3	1.7 7	250 250		1.2 36	1.6 10		B9A	TP
6GX6	412 387 100 0000	00	6.3		150	100	3.7	3.7		B7G	P
6GX7	151 238 784 0000	6.3	1	125	125	8	11			B9A	TP
6GY5	207 140 704 1730	80	6.3	20	125	125	50	9.1		A12	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6GY6	412 387 100 0000	00	6.3		150	100	3.7	3.7		B7G	P
6H1	412 380 700 0000	00	6	1.8	250	100		2.1		B7G	H
6H4	020 900 310 0000	00	6							A08	D
6H5	284 713 000 0000	00	6.3	22	250	250	0.2		Ra=1MΩ	UX6	TI
6H6	02X 190 310 0000	00	6							A08	DD
6H7C	028 458 310 0000	00	6.3	5	250		3	1.6		A08	TT
6H7G	128 458 310 0000	00	6.3		300		35	3.2		A08	TT
6H8C	481 581 230 0000	00	6.3	8	250		9	3		A08	TT
6H8G	028 X97 310 0000	40	6	2	250	125	8.5	2.4		A08	DDP
6H8MG	028 X97 310 0000	40	6	2	250	125	6	1.8		A08	DDP
6H9C	481 581 230 0000	00	6.3	2	250		2.2	1.6		A08	TT
6H10C	084 581 230 0000	00	6.3	2	250		2	1.4		A08	TT
6H13C	481 581 230 0000	00	6.3	90	90		80	5		A08	TT
6H31	412 387 100 0000	00	6.3		250	100	3			B7G	H
6HA5	412 380 100 0000	00	6.3		200		19	20		B7G	T
6HB6	141 230 871 0000	00	6.3	33	250	40	24			B9A	P
6HB7	151 238 784 0000	00	6.3	1.1	150		18	8.5		B9A	TP
6HC8	415 238 718 0000	00	6.3	1.0	125	125	12	6.4		B9A	TP
6HD5	207 140 804 1730	0Q	6.3	3	250		1.4	2		B9A	TP
6HE5	243 108 004 7130	00	6.3	18	250	250	38	5.1		A12	P
			6.3	22	150	150	65	10		A12	P
6HE7	290 180 014 0730	00	6.3	20	250	250	43	4.1			
6HF5	207 147 074 1730	80	6.3	22	125	125	120	8.8		A12	RP
6HP8	148 231 578 0000	00	6.3	28	175	175	100	11		A12	P
6HG8	151 234 887 0000	00	6.3	2	200		4	4		B9A	TP
6HJ8	147 238 191 0000	00	6.3	1	200	125	25	12.5		B9A	TP
6HK5	412 380 100 0000	00	6.3	3	100		14	5.5		B9A	TP
6HK8	841 238 510 0000	00	6.3	1.2	175	150	10	12		B9A	DP
6HL8	857 238 114 0000	00	6.3	6	150	125	11.5	9.3			
6HM5	412 380 100 0000	00	6.3		150		12.5	15		B7G	T
6HM6	141 230 871 0000	00	6.3	1	90		8.5	8		B9A	TT
6HQ5	412 381 100 0000	00	6.3	1	125		12.5	7		B9A	TP
6HR6	412 387 100 0000	00	6.3	1	125	125	12	10		B7G	T
6HS6	412 387 100 0000	00	6.3	1.2	150		12.5	14.5		B9A	P
6HS8	178 231 401 0000	00	6.3	3.9	125	125	13	15		B9A	P
6HU8	170 231 581 0000	00	6.3		150		11.5	15		B7G	T
	748 235 187 0000	00	6.3	1	200	100	13.2	8.5		B7G	P
6HW8	187 234 181 0000	00	6.3	0.8	150	75	8.8	9.5		B7G	P
6HZ8	412 387 100 0000	00	6.3	1.5	100	75	2	3		B9A	PP
6J4	412 344 800 0000	00	6.3	9	250	250	24	6		B9A	PP
6J5	028 040 310 0000	00	6.3		250	250	13	4		B9A	P
6J6	882 345 100 0000	00	6.3	3.5	250	250	13	3.4		B7G	P
6J7	028 710 310 0000	40	6.3	1.1	150	100	3.2	3.4		B9A	TP
6J8	148 231 578 0000	00	6.3	2	200		3.5	4		B7G	T
6J9	020 048 310 0000	50	6.3	3	100		15	12		A08	T
6J10	028 740 310 0000	50	6.3	3	100	100	9	2.6		B7G	TT
6J11	271 817 418 0530	00	6.3	3	100	100	3	1.6		A08	TH
6JA8	148 231 578 0000	00	6.3	3	100	100	1.3	1.2		A12	PP
6JB6	741 234 710 0000	80	6.3	8	250	250	35	6.5		A12	PP
6JB8	857 238 114 0000	00	6.3	0.8	125	125	11	13			
6JC8	157 238 148 0000	00	6.3	2	150		1	1.5		B9A	TP
6J9	861 238 485 0000	00	6.3	1.5	150	150	18	13		B9D	P
			6.3	22.5	250	150	70	7.1		B9A	TP
			6.3	8.5	250		10.5	2.2		B9A	TP
			6.3	3	250	100	3	1.6		B9A	TP
			6.3	1	150		12	6.5		A10	TTT
			6.3	1	150	125	9	5.5			
			6.3	1	125		6	5.2			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6JE6	741 234 710 0000	80	6.3		150	100	100	10		B9D	P
6JE8	148 231 578 0000	00	6.3	2	200		4.5	4.2		B9A	TP
6JF8	210 741 390 0000	80	6.3	22.5	250	150	75	6.6		A08	DP
6JG6	741 231 708 0000	00	6.3		150	100	80	10		B9D	P
6JH6	412 387 100 0000	00	6.3	1	125	125	14	8		B7G	P
6JH8	117 324 188 0000	00	6.3		250	250	14	4.4		B9A	P
6JK6	412 387 100 0000	00	6.3	0.9	125	125	11.5	18		B7G	P
6JK8	841 238 510 0000	00	6.3	1	100		5.3	6.8		B9A	TT
6JL6	412 387 100 0000	00	6.3	0.9	125	60	12.5	15.5		B7G	P
6JM6	217 140 000 1030	80	6.3	22.5	250	150	65	7.3		A12	P
6JN6	217 100 800 1430	00	6.3	22.5	250	150	65	7.3		A12	P
6JN8	481 238 715 0000	00	6.3	1	125		12	7.5		B9A	TP
6JS6	217 140 000 1730	00	6.3	27	175	125	100	11		A12	P
6JT6	741 231 708 0000	00	6.3	22.5	250	150	70	7.1		B9D	P
6JT8	148 231 578 0000	00	6.3	2	250		1.5	2.7		B9A	TP
6JU8	{ Z11 230 X11 0000 Z11 230 X91 0000	{ 00 00	6.3				5 5			B9A	DDDD
6JV8	148 231 578 0000	00	6.3	2	200		4	4		B9A	TP
6JZ8	280 805 571 4130	00	6.3	5	150		5.5	2.3		A12	TP
6K5	028 000 310 0000	40	6	3	250		1.1	1.4		A08	T
6K6	028 740 310 0000	00	6	18	250	250	32	2.3		A08	P
6K7	028 710 310 0000	40	6		250	100	10.5	1.5		A08	P
6K8	{ 020 048 310 0000 028 750 310 0000	{ 50 50	6.3	1 3	100 250	100	8 4	2.5 1.2		A08	TH
6K11	281 181 504 8630	00	6.3	8.5	250		10.5	2.2		A12	TTT
6K25	028 040 310 0000	00	6.3	2.5	250		1.2	1.6		A08	Thy
6KA8	841 235 178 0000	00	6.3	2	200		4	4		B9A	TP
6KD8	857 238 114 0000	00	6.3	1	125		13.5	7.5		B9A	TP
6KE8	857 238 114 0000	00	6.3	1	125		13	8		B9A	TP
6KF8	{ 170 231 481 0000 178 231 501 0000	{ 00 00	6.3	1	150	150	4	1		B9A	PP
6KM8	889 231 478 0000	00	6.3		100	100	4.2	3.4		B9A	DP
6KN6	217 140 000 1030	00	6.3	20	125	125	100	16		A12	P
6KR8	148 231 578 0000	00	6.3	1	100		15	10.4		B9A	TP
6KT8	148 321 578 0000	00	6.3	2	250		1.8	3.2		B9A	TP
6KU8	1X9 231 478 0000	00	6.3	1	125	125	12	10		B9A	DDP
6KV8	148 231 578 0000	00	6.3	1.6	200	100	17	20		B9A	TP
6KY8	151 238 784 0000	00	6.3	1.8	200	125	4	4		B9A	TP
6KZ8	851 238 715 0000	00	6.3	3	250		1.4	1.6		B9D	TP
6L1	285 184 130 0000	00	6.3	10	150	100	39	8.4			
6L5	028 040 310 0000	00	6.3	1	125		13.5	7.5		B9A	TP
6L6	028 740 310 0000	00	6	8.6	200		10	2.8		B8A	TT
6L7	028 740 310 0000	40	6	9	250		8	1.9		A08	T
6L10	120 417 380 0000	00	6.3	18	350	250	54	5.2		A08	P
6L12	851 238 410 0000	00	6	3	250	100	6.3	1.1		A08	H
6L13	851 228 413 0000	00	6.3	2	250		1.2	1.6		B8A	P
6L15	158 234 118 0000	00	6.3	1.2	90		15	9		B9A	TT
6L16	148 235 108 0000	00	6.3	1.5	90		12	6.2		B9A	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6L18	280 084 130 0000	00	6	13.3	250		12	5.5		B8A	T
6L19	285 184 130 0000	00	6	1.8	200		5	3.1		B8A	TT
6L31	412 387 400 0000	00	6.3	12.5	250	250	45	4.1		B7G	P
6L34	412 314 800 0000	00	6	1.5	250		10	9		B7G	T
6L41	801 237 144 0000	00	6.3	17.2	250	250	45	7		B9A	P
6L43	147 238 174 0000	00	6.3	3	300	150	30	11		B9A	P
6L50	214 471 130 0000	80	6.3	12.6	200	250	70	5		B9A	P
6L50V	217 447 113 0000	80	6.3	25	400	250	30	3.5		B9A	P
6LB8	148 231 578 0000	00	6.3	0.9	125		13	5		} B9A	TP
				1.6	200	100	17	20			
6LC8	841 235 178 0000	00	6.3	2	200		4	4		} B9A	TP
				1.2	150	100	4	4.4			
6LD12	YX1 239 148 0000	00	6.3	1.0	100		0.8	1.45		B9A	DDDT
6LD3	284 0X9 130 0000	00	6	1.9	250		0.85	1.95		B8A	DDT
6LD13	841 239 0X0 0000	00	6	1.9	250		0.85	1.2		B9A	DDT
6LD20	284 0X9 130 0000	00	6	5.9	250		5	2.3		B8A	DDT
6LE8	{ 811 230 174 0000	00	} 6.3	2.5	100	100	8	5.8		B9A	FP
		00									
6LF8	148 231 578 0000	00	6.3	2	200		4	4		} B9A	TP
				2.5	100	150	20	11			
6LFD12	741 238 9X1 0000	00	19	2	250	100	9	3.8		B9A	DDP
6LJ8	481 238 715 0000	00	6.3	0.7	125		13	8		} B9A	TP
				0.5	125	125	12	13			
6LR8	151 238 784 0000	00	6.3	4	250		2.3	3.6		} B9A	TP
				10	150	125	56	9.3			
6LU8	280 805 571 4130	00	6.3	4	250		2.3	3.6		} A12	TP
				10	150	125	56	9.3			
6M1	028 740 310 0000	00	6.3	22.5	250	250	0.2		Ra=1MΩ	A08	TI
6M2	027 478 310 0000	00	6.3	4	250	250	0.12		Ra=200kΩ	} A08	TI
6M3	029 000 030 0000	00	6	2	250	250	0.25		Ra=100kΩ		
6M5	741 230 800 0000	00	6	7	250	250	36	10		A08	R
6M6	028 740 310 0000	00	6	6	250	250	36	9.5		B9A	P
										A08	P
6M7	028 710 310 0000	40	6	2.5	250	125	10.5	3.4		A08	P
6M8	138 748 290 0000	50	6	1	100		0.5	1.1		} A08	DTP
				3	100	100	8.5	1.9			
6M40	410 230 807 0000	00	6.3	20	250		0.5		Ra = 1MΩ	B9A	TI
6MD3	902 390 100 0000	00	6.3				10			B7G	R
6MD4	102 310 900 0000	00	6.3							B7G	D
6MH1	412 344 800 0000	00	6.3		150		14.5	13		B7G	T
6MH3	882 345 100 0000	00	6.3	1	100		11	7.5		B7G	TT
6M-L2	842 384 100 0000	00	6.3	4.5	150		14	5		B7G	T
6M-L4	842 314 800 0000	00	6.3		100		17	6.5		B7G	T
6MK7	028 710 310 0000	40	6	2	250	100	5	2.3		A08	P
6MP2	412 387 000 0000	00	6.3	6	200	175	25	5.5		B7G	P
6MP17	412 387 400 0000	00	6.3	8	250	250	32	5.2		B7G	P
6N3	001 230 009 0000	00	6				180			B9A	R
6N4	412 381 400 0000	00	6	3	200		12	6		B7G	T
6N5	284 713 000 0000	00	6.3	15.3	150	150	0.2		Ra=1MΩ	UX6	TI
6N6	028 850 310 0000	00	6.3	0	300		9			} A08	TT
					300		42	2.5			
6N7	028 548 310 0000	00	6	5	250		3	1.6		A08	TT
6N7	028 710 310 0000	40	6	2.5	250	125	10.5	3.4		A08	P
6N8	741 238 9X1 0000	00	6	2	250	90	5	2.2		B9A	DDP
6NK7	028 710 310 0000	40	6	2.5	250	125	10.5	3.4		A08	P
6P1	028 740 310 0000	00	6	8.5	250	250	30	8.8		A08	P
6P2	412 387 100 0000	00	6.3	68	250	150	10.6	5.2		B7G	P
6P5	028 040 310 0000	00	6	13.5	250		5	1.25		A08	T
6P6	217 413 000 0000	80	6	8	250	150	34			UX6	P
6P7	023 878 410 0000	50	6	3	100	100	3.5	0.5		} A08	TP
				3	100		6.3	1			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6P8	{ 020 748 310 0000 028 750 310 0000	50 50	6	{ 8	100 250		2.2 2.2	0.7		A08	TH
6P9	412 387 400 0000	00	6	6	250	250	30	7		B9A	P
6P15	041 230 807 0000	00	6	7.5	250	250	49	11.3		B9A	P
6P17	412 380 700 0000	00	6	13.5	250	250	16	2.6		B7G	P
6P25	028 740 310 0000	00	6	8.5	250	250	40	8.8		A08	P
6P26	028 740 310 0000	00	6	8.5	250	250	40	8.8		A08	P
6P28	020 740 310 0000	80	6.3	8.8	350	250	72	9.5		A08	P
6PL12	415 238 718 0000	00	6.3	{ 8.5	100 250	250	0.8 40	1.4 8.8		B9A	TP
6PX6	028 740 310 0000	00	6	6	250		35	9.2		A08	P
6PZ8	028 7X9 310 0000	40	6	6	250	250	36	9.2		A08	DDP
6Q4	441 230 448 0000	00	6	1.5	250		15	12		B9A	T
6Q6	028 090 310 0000	00	6	3	250		1.2	1.05		A08	DI'
6Q7	028 X90 310 0000	40	6	3	250		1	1.2		A08	DDT
6Q11	281 181 514 8630	00	6.3	{ 2.0	150 250		22 1.2	2.5 1.6	Section 1 Section 2 & 3	A12	TTT
6QL6	741 238 174 0000	00	6	11.5	200	175	52	9.5		B9A	P
6R	028 710 310 0000	40	6	2	250	100	3.7	2		A08	P
6R4	401 230 080 0000	00	6	2	150		30	5.5		B9A	T
6R6	028 700 310 0000	40	6	3	250	100	7	1.45		A08	P
6R7	028 X90 310 0000	40	6	9	250		9.5	1.9		A08	DDT
6R8	9Y1 23X 148 0000	00	6	9	250		9.5	1.9		B9A	DDDT
6R51P	471 230 807 0000	00	6.3	8	250	250	54	11		B9A	P
6RA2	014 234 008 0000	00	6.3	31	150		100	8.5		B9A	P
6RA5	808 023 041 0000	00	6.3	20	100		80	11		B9A	T
6RB11	704 234 108 0000	00	6.3	12.5	200	200	45	7.5		B9A	P
6R-DHV1	157 328 984 0000	00	6.3	{ 2 1	250 250	100	1.2 9	1.6 3.5		B9A	DTT
6RHH2	851 238 410 0000	00	6.3	1	90		8.5	8		B9A	TT
6R-HH8	841 238 510 0000	00	6.3		100		16	16		B9A	TT
6R-HH9	841 238 510 0000	00	6.3		90		16	16		B9A	TT
6RHHV1	157 238 184 0000	00	6	{ 2 1	250 250	100	12 9	1.6 3.5		B9A	TP
6RK19	000 230 009 0000	10	6.3				180			B9A	R
6RP10	280 173 041 0000	00	6.3	2.6	150	150	36	13.5		B9A	P
6RP15	471 230 807 0000	00	6.3	8	250	250	59	11		B9A	P
6RR8	402 108 073 0000	00	6.3		150	150	13	12.6		B9A	P
6RR21	741 238 9X1 0000	00	6.3		150	150	13.5	15		B9A	DDP
6RV	028 710 310 0000	40	6	2	250	100	6.4	2.1		A08	P
6S2	000 230 000 0000	90	6.3							B9A	D
6S4	010 234 008 0000	00	6	8	250		26	4.5		B9A	T
6S5	028 470 310 0000	00	6.3	8	250		0.23		R _a = 1MΩ	A08	TI
6S6	120 800 370 0000	40	6	2	250	100	13	4		A08	P
6S7	028 710 310 0000	40	6	3	250	100	8.5	1.75		A08	P
6S8	Y19 X18 230 0000	40	6	2	250		0.9	1.1		A08	DDDT
6SA7	128 841 310 0000	00	6	3.6	100		12	4.3		A08	H
6SC5	028 400 310 0000	00	6	4	250		7.5	2.7		A08	T
6SC7	085 481 230 0000	00	6	2	250		2	1.3		A08	TT
6SD7	021 417 380 0000	00	6	2	250	100	6	3.6		A08	P
6SE7	021 417 380 0000	00	6	1.5	250	100	4.5	3.4		A08	P
6SF5	014 080 320 0000	00	6	2	250		0.9	1.5		A08	T
6SF7	041 791 380 0000	00	6	1	250	100	12.4	2.05		A08	DP
6SG7	021 417 380 0000	00	6	1	350	125	11.8	4.7		A08	P
6SH7	021 417 380 0000	00	6	1	250	150	10.8	4.9		A08	P
6SJ7	021 417 380 0000	00	6	3	250	100	3	1.65		A08	P
6SJ8EG	{ 028 748 310 0000 028 750 310 0000	50 50	6.3	{ 3 3	150 150	100	5 1.3	1.6 1.2		A08	TH
6SJ8G	{ 028 748 310 0000 028 750 310 0000	50	6.3	{ 3 3	150 250	100	5 1.3	1.6 1.2		A08	TH
6SK7	021 417 380 0000	00	6	3	250	100	9.2	2		A08	P
6SL7	481 581 230 0000	00	6	2	250		2.3	1.6		A08	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _{g2}	V _{g3}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6SN7	481 581 230 0000	00	6	8	250		9	2.9		A08	TT
6SQ7	041 9X8 230 0000	00	6	2	250		0.9	1.1		A08	DDT
6SR7	041 9X8 230 0000	00	6	9	250		9.5	1.9		A08	DDT
6SS7	021 417 380 0000	00	6	3	250	100	9	1.85		A08	P
6ST7	041 9X8 230 0000	00	6	9	250		9.5	1.9		A08	DDT
6SU7	581 481 230 0000	00	6	2	250		2.3	1.6		A08	TT
6SV7	041 798 230 0000	00	6	1	250	150	7.5	3.4		A08	DP
6SZ7	041 9X8 230 0000	00	6	3	250		1	1.2		A08	DDT
6T	207 413 000 0000	80	6	12.5	250	250	4.5	4.1		UX6	P
6T1	842 314 800 0000	00	6		75		16	6.6		B7G	T
6T4	842 314 800 0000	00	6	3	80		18	7		B7G	T
6T5	284 713 000 0000	00	6.3	22	250	250			Ra=1MΩ	UX6	TI
6T6	028 700 310 0000	40	6	1	250	100	10	5.5		A08	P
6T7	028 9X0 310 0000	40	6	3	250		1.2	1		A08	DDT
6T8	YX1 239 148 0000	00	6	3	250		1	1.2		B9A	DDDT
6T9	280 410 051 7830	00	6.3	2	250		1.5	2.1		A12	TP
6T10	215 017 841 7830	00	6.3	8	250	250	37	6.5		A12	PP
6T24	848 230 115 0000	00	6	2	150	100	1.3	1		B9A	TT
6T26	841 238 510 0000	00	6	2.3	250		10	6		B9A	TT
6T27	841 238 510 0000	00	6		150		10	6.8		B9A	TT
6TD32	9X1 23Y 148 0000	00	6.3	3	250		1.0	1.2		B9A	DDDT
6TD33	9X1 23Y 148 0000	00	6.3	3	250		2.2	2.1		B9A	DDDT
6TD34	9X1 23Y 148 0000	00	6.3	3	250		2.2	2.1		B9A	DDDT
6TE8	728 148 310 0000	50	6.3	2	100		3.7			A08	TH
6TE9	{ 801 230 450 0000 071 238 550 0000	{ 00 00	{ 6 6	{ 2.5	{ 100 200	{ 90	{ 4 3	{ 2 0.7		B9A	TH
6TH8	{ 028 748 310 0000 028 750 310 0000 207 413 000 0000	{ 50 50 80	{ 6 6	{ 14.5	{ 150 200 250	{ 75 250	{ 6 3.5 12	{ 1.1 6 8.5		A08	TH
6TP										UX6	P
6TP1	857 238 114 0000	00	6	68	250	100	10	5.2		B9A	TP
6TP3	841 238 175 0000	00	6	2	100		4	2		B9A	TP
6TP4	157 238 814 0000	00	6	3	200	100	8	3		B9A	TP
6TP5	751 328 184 0000	00	6	68	150	100	18	8.5		B9A	TP
6U3	001 230 009 0000	00	6		100	100	2.2	1.3		B9A	TP
6U4	001 090 230 0000	00	6		200		9			B9A	R
6U5	028 740 310 0000	00	6.3	8	250		120			A08	R
6U5/6G5	284 713 000 0000	00	6.3	22	250	250	0.2		Ra=100kΩ Ra=1MΩ	A08	TI
6U5M	029 0X0 310 0000	00	6							UX6	TI
6U6	028 740 310 0000	00	6	14	200	150	56	6.2		A08	RR
6U7	028 710 310 0000	40	6	3	250	100	8	1.5		A08	P
6U8	857 238 114 0000	00	6.3	1	150		18	8.5		B9A	TP
6U10	281 181 504 8630	00	6.3	1	150	100	10	5.2		B9A	TP
6V3	092 230 909 0000	10	6	6	200		9.6	2.3	Section 2 & 3 Section 1	A12	TTT
6V4	901 230 900 0000	00	6	1.5	200		1.2	1.6		B9A	RR
6V5	008 740 230 0000	00	6	12.5	250	250	45	4.1		B9A	RR
6V6	028 740 310 0000	00	6	12.5	250	250	45	4.1		A08	P
6V7	028 9X0 310 0000	40	6	20	250		8	1.1		A08	DDT
6V8	891 234 11X 0000	00	6	3	250		1	1.2		B9A	DDDT
6W2	023 000 000 0000	90	6							B3G	D
6W3	001 230 009 0000	00	6				20			B9A	R
6W4	001 090 230 0000	00	6				120			A08	R
6W5	029 0X0 310 0000	00	6				60			A08	RR
6W6	028 740 310 0000	00	6	9.5	150	150	58	8		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
6W7	028 710 310 0000	40	6	3	250	100	2	1.2		A08	P
6WC5	288 114 300 0000	00	6	3.6	100		12	4.3		B7G	H
6X2	023 000 000 0000	90	6							B3G	D
6X3	020 000 310 0000	90	6				5			A08	R
6X4	902 30X 100 0000	00	6				30			B7G	RR
6X5	029 0X0 310 0000	00	6				30			A08	RR
6X6	027 740 310 0000	00	5		250	250				A08	TI
6X8	148 231 578 0000	00	6	{ 1 1.8	100 250	150	8.5 7.5	5.8 4.6		B9A	TP
6Y3	030 000 200 0000	90	6				5			A08	R
6Y5	209 1X3 000 0000	00	6				30			UX6	RR
6Y6	028 740 310 0000	00	6	13.5	150	150	58	7		A08	P
6Y7	028 458 310 0000	00	6	0	250		5.3	1.8		A08	TT
6Y50	902 309 001 0000	00	6				180			B9A	R
6Z3	391 200 000 0000	00	6				60			UX4	R
6Z4	29X 130 000 0000	00	6				30			UX5	RR
6Z5	329 1X2 000 0000	00	6				30			UX6	RR
6Z6	029 1X0 310 0000	00	6				30			A08	RR
6Z7	028 458 310 0000	00	6	0	200		4.2	0.5		A08	TT
6Z31	902 30X 100 0000	00	6.3				30			B7G	RR
6Z40	000 230 009 0000	10	6.3				120			B9A	R
6ZDH3A	284 913 000 0000	00	6	2	250		1.5	1.5		UX6	UT
6ZE1	284 713 000 0000	00	6.3	7	250				Ra=1MΩ	UX6	TI
6ZP1	287 413 000 0000	00	6	9	200	200	15	1.7		UX6	P
6ZY5	029 0X0 310 0000	00	6				15			A08	RR
7A2	047 231 800 0000	00	4	17	250	250	40	3.2		B7	P
7A3	045 231 800 0000	00	4	6	250	250	32	10		B7	P
7A4	280 004 130 0000	00	6	8	250		9	2.6		B8B	T
7A5	287 004 130 0000	00	6	9	150	125	44	6		B8B	P
7A6	21X 009 130 0000	00	6				5			B8B	RR
7A7	287 104 130 0000	00	6	3	250	100	9.2	2		B8B	P
7A8	288 471 130 0000	00	6	1	250	100	14	1.4		B8B	O
7AB7	728 141 310 0000	00	6	2	250	100	4	1.8		B8B	P
7AC7	412 387 100 0000	00	6		300	150	10	9		B7G	P
7AD7	287 104 130 0000	00	6	2.3	300	150	28	9.5		B8B	P
7AF7	218 548 130 0000	00	6	9	250		9	2.1		B8B	TT
7AG7	287 114 130 0000	00	6	2	250	250	6	4.2		B8B	P
7AH7	287 114 130 0000	00	6	2	250	250	6.8	3.3		B8B	P
7AJ7	287 104 130 0000	00	6	3	250	100	2.2	1.5		B8B	P
7AK7	287 104 130 0000	00	6	0	150	90	40	6.5		B8B	P
7AN7	158 234 118 0000	00	7.5	1	90		12	6		B9A	TT
7AU7	851 228 413 0000	00	3.5	8.5	250		10.5	2.2		B9A	TT
7B4	280 004 130 0000	00	6	2	250		0.9	1.5		B8B	T
7B5	287 004 130 0000	00	6	18	250	250	32	2.3		B8B	P
7B6	284 0X9 130 0000	00	6	2	250		0.9	1.1		B8B	DDT
7B7	287 104 130 0000	00	6	3	250	100	8.5	1.7		B8B	P
7B8	287 474 130 0000	00	6	2	250	100		1.1		B8B	H
7C4	200 900 130 0000	00	6				5			A08	R
7C5	287 004 130 0000	00	6	12.5	250	250	45	4.1		B8B	P
7C6	284 1X9 130 0000	00	6	1	250		1.3	1		B8B	DDT
7C7	287 114 130 0000	00	6	3	250	100	2	1.3		B8B	P
7CE40	148 235 118 0000	00	7	1.5	90		12	6		B9A	TT
7D3	047 231 800 0000	00	40	20	150	125	36	2.4		B7	P
7D5	047 231 800 0000	00	13	16.5	250	250	34	2.3		B7	P
7D6	047 231 800 0000	00	40	6	250	250	32	10		B7	P
7D7	{ 208 405 130 0000 280 575 130 0000	{ 00 00	{ 6 6	{ 3 3	150 250	100	3 1.3	0.2		B8B	TH
7D8	047 231 800 0000	00	13	6	250	250	32	10		B7	P
7D9	412 380 700 0000	00	6	13.5	250	250	16	2.6		B7G	P
7D9	047 231 800 0000	00	13	25	250	250	32	1.8		B7	P
7D10	041 230 871 0000	00	6	4.5	250	250	40	11		B8A	P
7D11	028 740 310 0000	00	6.3	20	350	250	95	9		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _g mA/V	ADDENDA	BASE	TYPE
7DJ8	841 238 511 0000	00	7	1.3	90		15	12.5		B9A	TT
7E5	428 141 830 0000	00	6	3	200		5.5	3		B8B	T
7E6	284 0X9 130 0000	00	6	8	250		9.5	1.9		B8B	DDT
7E7	28X 974 130 0000	00	6	3	250	100	7.5	1.3		B8B	DDP
7ED7	141 230 871 0000	00	7.3	1.9	200	175	10			B8A	P
7EK7	148 235 118 0000	00	7	1.2	200		15	4		B9A	TT
7ES8	841 238 510 0000	00	7	1.2	90		15	12.5		B9A	TT
7EX6	028 740 310 0000	00	7.2	17.5	250	250	44	4.4		A08	P
7F7	218 548 130 0000	00	6	2	250		2.3	1.6		B8B	TT
7F8	528 118 340 0000	00	6	3	250		6	3.3		B8B	TT
7F16	281 174 130 0000	00	6	2.5	250	100	6	2.2		B8A	P
7FC7	148 235 118 0000	00	7.2	1.2	90		15	12		B9A	TT
7G7	287 114 130 0000	00	6	2	250	100	6	4.5		B8B	P
7G8	287 451 830 0000	00	6	2.5	250	100	4.5	2.1		B8B	PP
7GH8	788 234 151 0000	00	8	{ 3 1.2	100 200	150	14 10	6 12		} B9A	TH
7GV7	878 231 514 0000	00	7.4	{ 3 2	100 250	250	14 10	5.5 11		} B9A	TP
7H6	287 114 130 0000	00	6	2.5	250	150	9.5	3.5		B8B	P
7H7	287 114 130 0000	00	6	2	250	150	10	4.2		B8B	P
7HG8	151 234 887 0000	00	7.2	{ 3 1.2	100 175	150	14 10	5.5 12		} B9A	TP
7J7	{ 208 405 130 0000 280 575 130 0000	00 00	{ 6.3 6.3	{ 3 3	150 250	100	6.6 1.4	1.4		} B8B	TH
7K7	218 4X9 130 0000	00	6	2	250		2.3	1.6		B8B	DDT
7L7	287 104 130 0000	00	6	1.5	250	100	4.5	3.1		B8B	P
7MP18	412 387 400 0000	00	7.5	5	200	175	35	11		B9A	P
7N7	218 548 130 0000	00	6	8	250		9	2.6		B8B	TT
7Q7	288 414 130 0000	00	6	2	100		15	6		B8B	H
7R1	290 300 000 0000	00	7.5				60			UX4	R
7R7	28X 974 130 0000	00	6	1	250	100	6.2	3.4		B8B	DDP
7S7	{ 288 405 130 0000 280 575 130 0000	00 00	{ 6 6	{ 1 2	100 250	100	4.8 4	1.4 2		} B8B	TH
7T7	287 104 130 0000	00	6	1	250	150	10.8	4.9		B8B	P
7V7	287 114 130 0000	00	6	2	300	150	10	5.8		B8B	P
7W7	287 114 130 0000	00	6	2	300	150	10	5.8		B8B	P
7X6	219 00X 130 0000	00	6				30			B8B	RR
7X7	284 19X 130 0000	00	6	1	250		1.9	1.5		B8B	DDT
7Y4	209 00X 130 0000	00	6				30			B8B	RR
7Z4	20X 009 130 0000	00	6				60			B8B	RR
8A1	742 310 000 0000	80	4	1.5	200	75	3.5	4		B5	P
8A1	041 231 700 0000	80	4	1.5	200	75	3.5	4		B7	P
8A2	742 310 000 0000	80	4	2.1	200	100	3	2.4		B5	P
8A8	857 238 114 0000	00	9	{ 2 2	100 200	175	14 10	5 6.2		} B9A	TP
8AC9	2X1 100 114 7830	00	8.4	1	125	125	12	10		A12	DDP
8AU8	148 231 578 0000	00	8.5	{ 1.25 1.5	150 200	125	8.5 16	4.9 7		} B9A	TP
8AW8	148 231 578 0000	00	8.4	{ 2 3	200 200	150	4 13	4 9		} B9A	TP
8B8	415 238 718 0000	00	8	{ 1 16	100 200	200	1 35	1.9 6.4		} B9A	TP
8B10	215 848 1X1 9030	00	8.5	9.5	250		7	1.8		A12	DDT
8BA8	148 231 578 0000	00	8.4	{ 8 3	200 200	150	8 13	2.7 9		} B9A	TP
8BI18	148 231 578 0000	00	8.4	{ 5 1.6	150 200	125	9.5 15	3.3 7		} B9A	TP
8BM8	415 238 718 0000	00	7.9	{ 1 16	200 200	200	3.7 35	2.5 6.4		} B9A	TP
8BN8	911 23X 841 0000	00	8.4	3	250		1.6	2.6		B9A	DDT
8BQ5	041 230 807 0000	00	8	7.3	250	250	48	11.5		B9A	P
8BQ7A	841 238 510 0000	00	8.4	2	150		9	6.4		B9A	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
8CF40	857 238 114 0000	00	9	2	100		14	5		B9A	TP
8CG7	851 238 410 0000	00	8.4	2	200	175	10	6.2			TP
8CL8	841 235 178 0000	00	8.4	8	250		9	2.6		B9A	TP
8CM7	801 238 451 0000	00	8.4	2	200	100	4	4			TP
8CN7	9X1 221 843 0000	00	8.4	1.2	150		4	4.4		B9A	TP
			8.4	7	200		5	2			TP
				8	250		20	4.4		B9A	DDT
			4.2	3	250		1	1.2			DDT
8CS7	805 238 411 0000	00	8.4	10.6	250		19	4.5		B9A	TP
8Cw5	071 230 807 0000	00	8	12.5	200	175	70	10		B9A	P
8CX8	148 231 578 0000	00	8	1.5	150		9	4.6		B9A	TP
				2	200	125	25	10			TP
8CY7	805 238 411 0000	00	7.9	3	250		1.2	1.3		B9A	TP
				18.5	150		30	5.4			TP
8D2	081 231 700 0000	40	13	3	250	100	2	1.25		B7	P
8D3	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
				1.5	200	150	4	6.4			P
8D4	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
8D5	041 230 871 0000	00	6	3	250	100	2	1.2		B9A	P
8D6	141 230 871 0000	00	6	2	200	175	10	2.5		B9A	P
8D7	001 230 871 0000	40	6	3	250	100	2	1.25		B9A	P
8D8	701 238 014 0000	00	6	2	250	150	3	1.9		B9A	P
8DX8	481 238 157 0000	00	7.5	1.7	200		30	4		B9A	TP
				2.1	200	175	18	11			TP
8EB8	148 231 578 0000	00	8	2	250		2	2.7		B9A	TP
				2	200	125	25	12.5			TP
8EM5	704 234 108 0000	00	8.4	18	250	250	35	5.1		B9A	P
8ET7	19X 231 478 0000	00	8	3	200	150	25	11.5		B9A	DDP
8FQ7	851 238 410 0000	00	8.4	8	250		9	2.6		B9A	TP
8G140	9X2 300 000 0000	00	8				60			B4	RR
8GK6	141 230 871 0000	00	8	7.4	250	250	48	11.3		B9A	P
8GN8	148 231 578 0000	00	8	3	100	150	14	5.5		B9A	TP
				1.2	200		10	12			TP
8GW8	417 238 158 0000	00	7.5	1.7	250		1.2	1.6		B9A	TP
				7.0	250	250	36	10			TP
8GX7	151 238 784 0000	00	7.7	1	125		13	8.5		B9A	TP
				1	125	125	8	11			TP
8HG8	151 234 887 0000	00	8.0	3	100		14	5.5		B9A	TP
				1.2	175	150	10	12			TP
8JE8	148 231 578 0000	00	8.2	2	200		4.5	4.2		B9A	TP
				250	150	22	12				TP
8JK8	841 238 510 0000	00	8.4	1.0	100		5.3	6.8		B9A	TP
				1.2	150		10	13			TP
8JT8	148 231 578 0000	00	7.7	2	250		1.5	2.7		B9A	TP
				1.6	200	100	17	20			TP
8JV8	148 231 578 0000	00	8.5	2	200		4	4		B9A	TP
				2.9	200	200	22	10.7			TP
8KA8	841 235 178 0000	00	8.4	2	200		4	4		B9A	TP
				1.2	150	100	4	4.4			TP
8LC8	841 235 178 0000	00	8.4	2	200		4	4		B9A	TP
				1.2	150	100	4	9.4			TP
8LE8	811 230 174 0000	00	8	2.5	100	100	8	5.8		B9A	PP
8MP12	011 238 174 0000	00								B7G	P
	412 387 400 0000	00	8.5		200	175	25				
8NP12	412 387 400 0000	00	8.5		200	175	25			B7G	P
8RB11	704 234 108 0000	00	8.5	12.5	200	200	45	7.5		B9A	P
8RHP1	415 238 718 0000	00	8.2	16	100		3.5	2.5		B9A	TP
				200	200	35	6.4				TP
8SN7	481 581 230 0000	00	8.4	8	250		9	2.6		A08	TT
8T27	841 238 510 0000	00	8.4		150		10	6.8		B9A	TT
9A1	742 231 000 0000	80	4	1.5	200	75	5	4.2		B5	P
9A1	047 231 700 0000	80	4	1.5	200	75	5	4.2		B7	P
9A3	081 231 700 0000	40	4	2	250	125	10	1.8		B7	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
9A8	857 238 114 0000	00	9	{ 2	100		14	5		} B9A	TP
9AB4	802 304 100 0000	00	9	{ 2	200	175	10	6.2			T
9ABC40	9X1 23Y 148 0000	00	9.5	1.9	175		1	1.4			DDDT
9AK8	YX1 239 148 0000	00	9.5	2.3	200		1	1.4			DDDT
9AQ8	841 238 510 0000	00	9	2.1	200		10	5.8			TT
9AL7	851 228 413 0000	00	4.7	3.5	250		10.5	2.2		B9A	TT
9BM5	412 387 400 0000	00	9	6	250	250	30	7		B9A	P
9BG7	841 238 510 0000	00	8.4	2	150		9	6.4		B9A	TT
9BR7	841 22X 913 0000	00	4.7	2.0	250		10	4		B9A	DDT
9BW6	041 230 871 0000	00	9	12.5	250	250	45	4.1		B9A	P
9C8	857 238 114 0000	00	9	{ 2	100		14	5		} B9A	TP
				{ 2	200	175	10	6.2			
9CL8	481 238 715 0000	00	9.5	{ 0.75	150		15	8		} B9A	TP
				{ 0.1	150	125	12	5.8			
9D2	081 231 700 0000	40	13	3	250	125	10.5	1.65		B7	P
9D6	412 381 700 0000	00	6	3.5	250	200	8	2.5		B7G	P
9D7	141 230 871 0000	00	6	1.5	250	100	10	8.4		B9A	P
9DZ8	415 238 718 0000	00	9	{	150		0.8	1.4		} B9A	TP
				{ 1	150	125	45	7.5			
9EA8	857 238 114 0000	00	9.5	{ 1	150		18	8.5		} B9A	TP
				{ 1	125	125	12	6.4			
9EF6	028 740 310 0000	00	9.4	18	250	250	50	5		A08	P
9J6	882 345 100 0000	00	9	0.85	100		8.5	5.3		B7G	TT
9KZ8	851 238 715 0000	00	9.4	{ 1	125		13.5	8.5		} B9A	TP
				{ 1	125	125	12	7.5			
9P9	412 387 400 0000	00	9	6	250	250	30	7		B9A	P
9RA6	140 230 408 0000	00	9.5	12	250		26	8.5		B9A	T
9T8	YX1 239 148 0000	00	9.5	3	250		1	1.2		B9A	DDDT
9T26	841 238 510 0000	00	9.5	2.3	250		10	6		B9A	TT
9TP4	157 238 814 0000	00	9.4	{	150		18	8.5		} B9A	TP
				{ 68	250	100	10	5.2			
9U8	857 238 114 0000	00	9.5	{ 1	150		18	8.5		} B9A	TP
				{ 1	250	100	10	5.2			
9X8	148 231 578 0000	00	9.5	{ 3.5	100		8.5	5.8		} B9A	TP
				{ 3.5	150	150	6.2	2.1			
10	284 300 000 0000	00	7.5	32	250		16	1.55		UX4	T
10AL11	215 118 741 7830	00	9.8	2	15	100	1.3	1		A12	FP
10BM8	415 238 718 0000	00	10	{	100		3	2.2		} B9A	TP
				{ 11.5	150	150	41	7.5			
10BQ5	041 230 807 0000	00	10	7.3	250	250	48	11		B9A	P
10C1	208 475 130 0000	00	28	{ 3.3	100		6	3		} B8A	TH
	280 575 130 0000	00		{ 2.5	200	100	8	2.5			
10C2	288 475 130 0000	00	28	{ 3.3	100		6	3		} B8A	TP
				{ 1.5	175	100	3	5			
10C8	841 238 751 0000	00	10.5	{ 2.7	250		7.3	4.4		} B9A	TP
				{ 1.5	150	125	11.5	8			
10C14	751 238 184 0000	00	19	{	100		13.7	3.7		} B9A	TP
				{ 2.2	200	100	5	2.3			
10CW5	041 230 807 0000	00	10	12.5	150	150	70	10		B9A	P
10D1	9X2 310 000 0000	00	13				5			B5	RR
10D2	1X2 310 900 0000	00	19				5			B7G	RR
10DA7	814 238 511 0000	00	10.5	{ 8	250		9	2.6		} B9G	TT
				{ 17.5	150		40	5.7			
10DA8	804 238 511 0000	00	10.5	8	250		9	2.6		B9A	TT
10DE7	855 238 411 0000	00	10	{ 17.5	150		32	6.5		} B9A	TT
				{ 11	250		5.5	2			
10DR7	855 238 411 0000	00	9.7	{ 17.5	150		35	6.5		} B9A	TT
				{ 3	250		1.4	1.6			
10DX8	481 238 157 0000	00	10	{ 1.7	200		3	4		} B9A	TP
				{ 2.1	200	175	18	11			
10EB8	148 231 578 0000	00	10.5	2	250		2	2.7		} B9A	TP
					200	125	25	12.5			
10E7	581 481 230 0000	00	9.7	{ 11	350		5.5	2		} A08	TT
				{ 17.5	150		45	7.5			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
10EM7	581 481 230 0000	00	9.7 {	20	150		50	7.2		} B9A	TT
10ER5	142 380 100 0000	00	10.8 {	3	250		1.4	1.6			T
10EW7	855 238 411 0000	00	9.7 {	17.5	150		45	7.5		} B9A	TT
10F1	281 714 130 0000	00	22 {	11	250		5.5	2.0			P
10F3	280 174 130 0000	00	22 {	1.8	200	200	10	9		B8A	P
				2.3	200		6	6.5		B8A	P
10F9	280 174 130 0000	00	13	2.5	200	100	7	2.3		B8A	P
10F18	141 230 871 0000	00	13	1.3	200	100	12	4.5		B9A	P
10FD7	855 238 411 0000	00	9.7 {	250			6	1.6		} B9A	TT
10FD12	741 238 9X1 0000	00	19 {	17.5	150		45	7.5			DDP
				1.5	200	200	11	4.5		B9A	DDP
10FG7	151 238 084 0000	00	9.7 {	3	250		1.4	1.6		} B9A	TT
				20	150		50	7.2			
10FR7	844 238 511 0000	00	9.7 {	3	250		1.4	1.6		} B9A	TT
				20	150		50	7.2			
10GF7	151 238 084 0000	00	9.7 {	3	250		1.4	1.6		} B9A	TT
				20	150		50	7.2			
10GN8	148 231 578 0000	00	10.5 {	2	250		2	2.7		} B9A	TP
				3	200	150	25	11.5			
10GW8	417 238 158 0000	00	10 {	1.7	250		1.2	1.6		} B9A	TP
				7	250	250	36	10			
10HP8	148 231 578 0000	00	10 {	2	250		4	4		} B9A	TP
				1	250	125	25	12.5			
10JA8	148 231 578 0000	00	10.5 {	2	150		1	1.5		} B9A	TP
				1.5	150	150	18	13			
10JT8	148 231 578 0000	00	10.2 {	2	250		1.5	2.7		} B9A	TP
				1.6	200	100	17	20			
10JY8	148 231 578 0000	00	10.5 {		125		15	10.4		} B9A	TP
					200	150	24	11			
10KR8	148 231 578 0000	00	10.5 {		100		15	10.4		} B9A	TP
					200	100	19.5	20.0			
10KU8	19X 231 478 0000	00	10.2	1.6	200	100	17	20		B9A	DDP
10L1	412 314 800 0000	00	19	1.5	250		10	8.5		B7G	T
10L14	841 238 510 0000	00	26	2.1	200		10	5.8		B9A	TT
10LB8	148 231 578 0000	00	10.2 {	0.9	125		13	5		} B9A	TP
				1.6	200	100	17	20			
10LD3	284 0X9 130 0000	00	14	1.1	150		0.6	1.95		B8A	DDT
10LD11	284 0X9 130 0000	00	15	5.9	250		5	2.3		B8A	DDT
10LD12	YX1 239 148 0000	00	28	2.3	200		1	1.4		B9A	DDDT
10LD13	841 239 0X0 0000	00	13	4.4	150		0.5	1.4		B9A	DDT
10LE8	{ 811 230 174 0000	00	} 10	2.5	100	100	8	5.8		} B9A	FP
	011 238 174 0000	00									
10M1	028 740 310 0000	00	18	19	200	175	0.2		Ra=15kΩ	A08	TI
10M2	208 478 130 0000	00	12.6 {	3	200	200	0.1		Ra=200kΩ	} A08	TI
				20	200	200	0.19		Ra=100kΩ		
10P13	280 074 130 0000	00	40	6	150	150	30	7.5		B8A	P
10P14	028 740 310 0000	00	40	9.4	200	175	40	7.2		A08	P
10P18	041 230 807 0000	00	45	12.5	200	175	70	10		B9A	P
10PL12	415 238 718 0000	00	50 {		100		3.5	2.5		} B9A	TP
				16	200	200	35	6.4			
11	382 400 000 0000	00	1.1	4.5	90		2.5	0.4		UX4	T
11A1	010 234 008 0000	00	6.3		150		100	12		B9A	T
11A2	X09 231 800 0000	40	4	2	200		3	2.8		B7	DDT
11A6	284 158 300 0000	00	10	1	100			3.1		A08	TT
11AR11	287 151 187 4130	00	11.2	0.7	125	125	11	10.5		A12	PP
11C5	028 040 310 0000	00	10	1	100			2		A08	T
11CY7	805 238 411 0000	00	11 {	2	250		1.2	1.3		} B9A	TT
					150		30	5.4			
11D3	X09 231 800 0000	40	13	2	250		0.6	1.1		B7	DDT
11D5	X09 231 800 0000	40	13	3	250		3.8	1.5		B7	DDT
11E1	218 740 030 0000	00	6		250	250	50	7.3		M08	P
11E2	020 740 310 0000	80	6	16.5	200	200	25	9		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
11E8	200 848 310 0000	50	11		150		20			A08	TT
11E13	415 228 783 0000	00	6.3	40	300	200	74			B9A	PP
11E14	020 740 310 0000	80	6.3	16	250	250		7		A08	P
11F6	028 740 310 0000	00	10	1	100	150		2.5		A08	P
11J7	028 700 310 0000	40	10	1	250	100		1.2		A08	P
11JE8	148 231 578 0000	00	10	{ 2	200		4.5	4.2		} B9A	TP
11E7	028 700 310 0000	40	10	{ 1	200 175	22	12	1.4			P
11KV8	148 231 578 0000	00	10.9	{ 1.8	200		4	4		} B9A	TP
11L6	028 740 310 0000	00	10	{ 1.6	200 125	20	23	6			P
11LQ8	148 231 578 0000	00	10.9	{ 1	100 150					} B9A	TP
				{ 1.6	125 125	15	10.4	21			
11N7	028 458 310 0000	00	10	1	100			3.1		A08	TT
11QL8	148 231 578 0000	00	10.9	{ 1	125		15	10.4		} B9A	TP
11X5	029 0X0 310 0000	00	11	{ 1.4	200 125		20	23			
12	384 200 000 0000	00	1.1	4.5	90		2.5	0.42		A08	RR
12A	284 300 000 0000	00	5	4.5	90		5	1.5		UX4	T
12A4	142 330 408 0000	00	6	9	250		23	0.8		B9A	T
12A5	287 413 200 0000	00	6	15	100 100		17	1.7		UX7	P
12A6	028 740 310 0000	00	12.5	12.5	250 250		30	2		A08	P
12A7	287 191 300 0000	40	12.5	{ 12.5	150 150		30	1		} Sm7	RP
12A8	028 747 310 0000	40	12.5	{ 3	250 100		9	1.15			H
12AB5	704 234 178 0000	00	12	12.5	250 250		45	4.1		B9A	P
12AB5	421 080 370 0000	00	12	22.5	250 150		57	5.9		A08	P
12AC5	280 074 130 0000	00	12	3	200 125		2.3	2.3		B8A	P
12AC6	412 387 100 0000	00	12.6		12.6		0.5	0.7		B7G	P
12AD5	741 238 000 0000	00	12.6	2.5	100 100		6	2.2		B9A	P
12AD6	412 387 100 0000	00	12.6		12 12		5	3.8		B7G	P
12AD7	841 228 513 0000	00	6	2	250		1.25	1.6		B9A	TT
12AE6	412 39X 800 0000	00	12.6		12.6		0.7	1		B7G	DDT
12AE7	841 228 513 0000	00	6.3		12.6		0.9	6.5		B9A	TT
12AF3	000 230 990 0000	00	12.6				120			B9A	R
12AF6	412 387 100 0000	00	12.6		12 12		0.7	1.1		B7G	P
12AG6	412 387 100 0000	00	12.6	0.8	12 12		0.5			B7G	H
12AH6	412 389 100 0000	00	12.6	2	300 150		10	9		B7G	P
12AH7	418 158 230 0000	00	12.5	3.6	100		3.7	1.55		A08	TT
12AH8	{ 051 220 483 0000	00	} 6.3	{ 3	100		14.7	3.5		} B9A	TH
	751 228 503 0000	00			250 100		2.6				
12AJ6	412 39X 800 0000	00	12.6	0	12		0.7	1.2		B7G	DDT
12AJ7	741 238 484 0000	00	12	{ 2.5	100 250	90	4	2		} B9A	TH
				{ 1.2	60		3	0.6			
12AJ8	751 238 584 0000	00	12.6	{ 1.2	100 60		2.6			} B9A	TH
12AK7	851 228 413 0000	00	6	2	250		1.7				
12AL5	1X2 310 900 0000	00	12.5				1.2	1.6		B9A	TT
							5			B7G	RR
12AL8	875 238 141 0000	00	12.6	{ 0.9	12		0.2	0.5		} B9A	TP
12AL11	215 118 741 7830	00	12.6	{ 0.8	12		25	8			
12AQ5	412 387 400 0000	00	12.5	12.5	250 250		36	6.5		A12	PP
12AS5	142 347 800 0000	00	12	8.5	150 100		45	4.1		B7G	P
12AT6	412 39X 800 0000	00	12.5	3	250		35	5.6		B7G	P
							1	1.2		B7G	DDT
12AT7	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
12AL4	001 090 230 0000	00	12				120			A08	R
12AL6	412 387 100 0000	00	12.5	1	250 150		10.8	5.2		B7G	P
12AL7	851 228 413 0000	00	6	8.5	250		10.5	2.2		B9A	TT
12AU8	148 231 578 0000	00	12.6	{	150 200	125	8.5	4.9		} B9A	TP
				{	200		15	7			
12AV5	421 080 370 0000	00	12.6	22.5	250 150		55	5.5		A08	P
12AV6	412 39X 800 0000	00	12.5	2	250		1.2	1.6		B7G	DDT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
12AV7	851 228 413 0000	00	6	1	150		18	8.5			
12AW6	412 387 100 0000	00	12.5	1.5	250	150	7	5		B9A	TT
12AW7	412 387 100 0000	00	12.5	1.8	250	150	7	5		B7G	P
12AX3	200 900 100 8030	00	12.6							B7G	P
12AX4	001 090 230 0000	00	12.5							A12	D
							120			A08	R
12AX7	851 228 413 0000	00	6	2	250		1.2	1.6		B9A	TT
12AY3	090 230 901 0000	00	12.6				180			B9D	R
12AY7	841 228 513 0000	00	6	4	250		3	1.7		B9A	TT
12AZ7	851 228 413 0000	00	6	2	200		10	5.5		B9A	TT
12B3	090 230 909 0000	10	12.6							B9A	R
12B4	142 330 408 0000	00	6	17.5	150		34	6.4		B9A	T
12B6	028 090 310 0000	40	12.5	2	250		0.9	1.1		DT	
12B7	287 104 130 0000	00	12.5	3	250	100	9.2	2		B8B	P
12B8	128 781 340 0000	50	12.5	1.1	100		0.6	1.5			
12BA6	412 387 100 0000	00	12.5	3	100	100	8	2.1		A08	TP
				1	250	100	11	4.4		B7G	P
12BA7	841 231 108 0000	00	12.5	2	100		18	7		B9A	H
12BC32	412 39X 800 0000	00	12	2	250		1	1.6		B7G	DDT
12BD6	412 387 100 0000	00	12.5	3	250	100	9	2		B7G	P
12BE3	200 900 100 9030	00	12.6				120			A12	R
12BE6	412 388 100 0000	00	12.5	6	150		7.5	3.5		B7G	H
12BF6	412 3X9 800 0000	00	12.5	9	250		9.5	1.9		B7G	DDT
12BH7	851 228 413 0000	00	6	10.5	250		11.5	3.1		B9A	TT
12BK5	804 231 470 0000	00	12	5	250	250	35	8.5		B9A	P
12BK6	412 39X 800 0000	00	12.5	2	250		1.2	1.6		B7G	DDT
12BL6	412 387 100 0000	00	12.6	0.6	12	12	1.4	1.3		B7G	P
12BN6	142 374 800 0000	00	12.5	1	60	60	0.5	1		B7G	P
12BQ6	020 740 310 0000	80	12	22.5	250	150	57	5.9		A08	P
12BR7	841 229 X13 0000	00	6	2	250		10	5.5		B9A	DDT
12BS3	090 230 901 0000	00	12.6				180			B9D	R
12BT6	412 39X 800 0000	00	12.5	3	250		1	1.2		B7G	DDT
12BU6	412 39X 800 0000	00	12.5	9	250		9.5	1.9		B7G	DDT
12BU8	178 231 401 0000	00									
	170 231 581 0000	00	12.6	1	100	60	1	1.5		B7G	PP
12BV7	141 223 871 0000	00	6	2.2	250	150	27	13		B9A	P
12BW4	900 230 X01 0000	00	12				30			B9A	RR
12BX6	141 230 871 0000	00	12.6	2	150	150	10	7.4		B9A	P
12BY7	141 223 871 0000	00	6	2.1	250	150	25	12		B9A	P
12BZ6	412 387 100 0000	00	12.6	1	100	125	14	8		B7G	P
12BZ7	851 228 413 0000	00	6	2	250		2.5	3.2		B9A	TT
12C2C	028 040 310 0000	00	12.6	8	250		9	2.6		A08	T
12C5	142 347 800 0000	00	12	7.5	150	100	49	7.5		B7G	P
12C8	028 X97 310 0000	40	12.5	3	250	125	10	1.3		A08	DDP
12CA5	142 347 800 0000	00	12	4.5	125	125	36	9.2		B7G	P
12CD6	021 040 370 0000	80	12.6	55	150	150	75	7.7		A08	P
12DM6	704 234 108 0000	00	12	12.5	250	250	45	4.1		B9A	P
12CN5	142 347 800 0000	00	12.6		12	12	4.5	3.8		B7G	P
12CR5	174 231 741 0000	80	12.6	22.5	250	150	65	6		B9A	P
12CR6	192 387 400 0000	00	12	2	250	100	6.9	2.2		B7G	DP
12CS5	714 234 108 0000	00	12.6	10	200	125	47	8		B9A	P
12CS6	112 387 400 0000	00	12	1	100	30	0.8	1.5		B7G	P
12CT8	841 238 751 0000	00	12.6	1.4	150		9	4.9			
				1.5	200	125	15	7		B9A	TP
12CU5	142 347 800 0000	00	12	8	150	100	40	7.5		B7G	P
12CV6	020 740 310 0000	80	12	22	250	150	57	5.8		A08	P
12CX6	412 387 100 0000	00	12.6		12	12	3	3.1		B7G	P
12CY6	412 387 100 0000	00	12.6		12	12	1.6	3.2		B7G	P
12D4	001 090 230 0000	00	12							A08	D
12D26	412 387 100 0000	00	12.6		12	12	4.5	3.8		B7G	P
12DA6	041 230 871 0000	00	12	1	100	100	12	4.4		B9A	P
12DB5	814 234 108 0000	00	12.6	9.6	200	125	46	8		B9A	P
12DE8	419 238 171 0000	00	12.6	0.8	12	12	1.3	1.5		B9A	DP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
12DF5	901 22X 013 0000	00	6.3				30			B9A	RR
12DF7	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT
12DJ8	841 238 510 0000	00	12.6	1.3	100		15	12.5		B9A	TT
12DK5	141 230 871 0000	00	12.6		12	12	2	3.3		B9A	P
12DK6	412 387 100 0000	00	12.6	0.9	125	125	12	9.8		B7G	P
12DK7	141 223 871 0000	00	6.3		12	12	6	5		B9A	P
12DL4	414 234 484 0000	00	12		150		12.5	14		B9A	T
12DL6	917 238 41X 0000	00	12.6	2.5	12	12	3.8	6.5		B9A	DDP
12DL8	914 238 71X 0000	00	12.6	0.5	12	12	40	15		B9A	DDP
12DM4	001 090 320 0000	00	12.6				180			A08	R
12DM5	142 347 800 0000	00	12.6	7.5	150	100	49	7.5		B7G	P
12DM7	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT
12DQ4	001 090 230 0000	00	12.6				120			A08	R
12DQ6	020 740 310 0000	80	12	22.5	250	150	75	6.6		A08	P
12DQ7	141 223 871 0000	00	6	2.1	100	125	26	10.5		B9A	P
12DS7	907 238 41X 0000	00	12.6	2	12	12	40			B9A	DDP
12DT1	412 39X 800 0000	00	12.6	3	250		1	1.2		B7G	DDT
12DT2	412 39X 800 0000	00	12.6	2	250		1.1	1.6		B7G	DDT
12DT5	704 234 108 0000	00	12.6	16.5	250	250	38	6.2		B9A	P
12DT6	412 387 100 0000	00	12.6	2.2	150	100	1.1	0.8		B7G	P
12DT7	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT
12DT8	841 238 510 0000	00	12.6	2.5	250		10	5.5		B9A	TT
12DU7	417 238 90X 0000	00	12.6		12	12	12	6.2		B9A	DDP
12DV7	1X9 228 413 0000	00	12.6		12		0.4	0.7		B9A	DDT
12DV8	X14 238 719 0000	00	12.6	1.0	12.6	12.6	6.8			B9A	DDP
12DW5	704 234 108 0000	00	12.6	22.5	200	150	55	5.5		B9A	P
12DW7	851 238 410 0000	00	12.6	2	250		1.2	1.6		B9A	TT
12DW8	851 238 419 0000	00	12.6	8.5	250		10.5	2.2		B9A	TT
12DY8	517 238 184 0000	00	12.6	0	12.6		1.9	2.7		B9A	TTD
12DZ6	412 387 100 0000	00	12.6	0	12.6		7.5	6.5		B9A	TP
12DZ8	415 238 718 0000	00	12		150		0.8	1.4		B9A	TP
12E1	020 740 310 0000	80	6	18	150	150	45	7.5		A08	P
12E1C	038 741 210 0000	00	6.3	20	300	150	90	10		A08	P
12E4	751 238 584 0000	00	12.6	2.6	200		5.4			B9A	TH
12E5	028 040 310 0000	00	12.5	13.5	200	100	3.7			A08	T
12E8	020 048 310 0000	50	12		100		3.3			A08	TH
12E14	028 750 310 0000	50	12	2	100	100	3	0.5		A08	P
12EA6	038 741 210 0000	00	6.3	20	300	150	90	10		B7G	P
12EC8	412 387 100 0000	00	12.6		12	12	3.2	3.8		B9A	TP
12ED5	481 238 715 0000	00	12.6		12	12	2.4	4.7		B7G	P
12EF6	142 347 800 0000	00	12.6	4.0	100	100	32	8.1		A08	P
12EG6	028 740 310 0000	00	12.6	18	250	250	50	5.0		B7G	P
12EH5	412 387 400 0000	00	12.6	0.8	12.6	12.6	0.4	0.8		B7G	P
12EK6	142 347 800 0000	00	12.6	3.2	100	125	42	14.6		B7G	P
12EL6	412 387 100 0000	00	12.6		12	12	4.4	4.2		B7G	DDT
12EM6	482 3X9 100 0000	00	12.6		12		0.7	1.2		B9A	DP
12EN6	417 238 009 0000	00	12.6		12	12	6	5		A08	P
12EQ7	028 740 310 0000	00	12.6	9.5	200	100	50	8.0		B9A	DP
12ES5	141 237 890 0000	00	12.6		100	100	9	3.9		B7G	T
12EX6	142 380 100 0000	00	12.6	1	200		10	9.4		B7G	P
12EZ6	412 387 100 0000	00	12.6	1.0	12	12	2.4	4		B7G	P
12F	412 387 100 0000	00	12.6	0.7	12	12	1.9	2.7		B7G	P
12F5	290 300 000 0000	00	5				60			UX4	R
12F8	020 800 310 0000	40	12.5	2	250		0.9	1.5		A08	T
12F31	978 23X 141 0000	00	12.6	0	12	12	1	1		B9A	DDP
	412 387 100 0000	00	12	1	100	100	10.8	4.3		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
12FK6	412 39X 800 0000	00	12.6		12		1.3	1.2		B7G	DDT
12FM6	412 3X9 800 0000	00	12.6		12		1	1.3		B7G	DDT
12Fu8	858 238 481 0000	00	12	1	200		3	1.5		B9A	TT
12FR8	415 327 898 0000	00	12.6	0.6	12		1	1.2		B9A	DTP
12FT6	412 39X 800 0000	00	12.6	0.8	12	12	1.9	2.7		B7G	DDT
12FX8	758 324 181 0000	00	12.6		12.6		1.3	1.4		B9A	TH
12G-1	802 384 100 0000	00	12	8	250		4.4	3.6		B7G	T
12G7	028 X90 310 0000	40	12.5	3	250			1.2		A08	DDT
12G8	815 228 143 0000	00	6.3	12.6			7.2	2.6		B9A	TT
12iAG	412 388 100 0000	00	12.6		12.6		3.6	2.4		B7G	O
12GB3	020 740 310 0000	80	12.6	7.7	100	100	100	14		A08	P
12GB6	020 740 080 0000	80	12.6	22.5	250	150	57	5.9		A08	P
12GB7	020 740 310 0000	80	12.6	7.7	100	100	100	14		A08	P
12GE5	274 100 800 1430	00	12.6	22.5	250	150	65	7.3		A12	P
12GJ5	741 234 700 0000	80	12.6	22.5	250	150	70	7.1		B9D	P
12GK17	001 090 230 0000	00	12.6				120			A08	R
12GN6	412 387 900 0000	00	12.6	68	250	100	11	4.4		B7G	DP
12GN7	141 230 871 0000	00		2	250	150	28	36		B9A	P
12GJ5	741 324 708 0000	00	12.6	22.5	250	150	70	7.1		B9D	P
12GV5	207 140 704 1730	80	12.6	22.5	250	150	65	7.3		A12	P
12GW6	020 740 310 0000	80	12.6	22.5	250	150	70	7.1		A08	P
12H1C	418 158 230 0000	00	12.6	6.5	200		7.6	1.9		A08	TT
12H4	823 384 100 0000	00	6	8	250		9	2.6		B7G	T
12H6	02X 190 310 0000	00	12.5							A08	DD
12H10C	084 581 230 0000	00	12.6	2	250		2	1.3		A08	TT
12H131	412 387 400 0000	00	12.6		100	100	2.8	0.4		B7G	H
12HE7	290 180 014 0730	00	12.6				120			A12	RP
12J5	028 040 310 0000	00	12	8	250		9	2.6		A08	T
12J7	028 710 310 0000	40	12.5	3	250	100	2	1.225		A08	P
12J8	417 238 19X 0000	00	12.6		12	12	12	5.5		B9A	DDP
12JB6	741 234 710 0000	80	12.6	22.5	250	150	70	7.1		B9D	P
12JN6	217 100 800 1430	00	12.6	22.5	250	150	65	7.3		A12	P
12JN8	481 238 715 0000	00	12.6	1	125		12	7.5		B9A	TP
12JT6	741 231 708 0000	00	12.6	22.5	250	150	70	7.1		B9D	P
12K5	142 377 800 0000	00	12.6	2	12	12	8	7		B7G	P
12K7	028 710 310 0000	40	12.5	3	250	125	10.5	1.65		A08	P
12K8	020 048 310 0000	50	12.5	1	100		8	2.5		A08	TH
12L6	028 750 310 0000	50	12	3	250	100	4	1.2		A08	P
12L8	028 740 310 0000	00	12	8.25	200	125	46	8		A08	P
12L8	514 872 380 0000	00	12.5	9	200	175	13	2.1		A08	PP
12M7	028 710 310 0000	40	12	2.5	100	100	6	2.2		A08	P
12M71	271 084 130 0000	00	12.6	15	200	200	0.3		Ra- 500kΩ	B8B	TI
12NK7	028 710 310 0000	40	12.5	2	250	100	5	2.3		A08	P
12P1	412 387 100 0000	00	12.6	68	250	100	11	4.4		B7G	P
12P2	412 387 100 0000	00	12.6	68	250	150	10.6	5.2		B7G	P
12Q7	028 X90 310 0000	40	12.5	3	250		1	1.2		A08	DDT
12R5	142 347 800 0000	00	12.6	8.5	100	100	40	7		B7G	P
12RK19	000 230 009 0000	10	12.6				180			B9A	R
12RL3	841 228 513 0000	00	12.6		150		10	5.5		B9A	TT
12S7	289 174 130 0000	00	13	2	200	90	5	2		B8A	DP
12S8	Y19 X18 230 0000	40	12.5	2	250		0.9	1.1		A08	DDDT
12SA7	128 841 340 0000	00	12.5	3.6	100		12	4.3		A08	H
12SL7	085 481 230 0000	00	12.5	2	250		2	1.3		A08	TT
12SP5	014 080 320 0000	00	12.5	2	250		0.9	1.5		A08	T
12SF7	041 798 230 0000	00	12.5	1	250	100	12.9	2		A08	DP
12SG7	021 417 380 0000	00	12.5	1	250	125	11.8	4.7		A08	P
12SH7	021 417 380 0000	00	12.5	1	250	150	10.8	4.9		A08	P
12SJ7	021 417 380 0000	00	12.5	3	250	100	3	1.65		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
12SK7	021 417 380 0000	00	12.5	3	250	100	9.2	2		A08	P
12SL7	481 581 230 0000	00	12.5	2	250		2.5	1.6		A08	TT
12SN7	481 581 230 0000	00	12.5	8	250		9	2.6		A08	TT
12SQ7	041 9X8 230 0000	00	12.5	2	250		0.9	1.1		A08	DDT
12SR7	041 X98 230 0000	00	12.5	9	250		9.5	1.9		A08	DDT
12SS7	021 417 380 0000	00	12.5	3	250	100	9	1.85		A08	P
12SW7	041 X98 230 0000	00	12.5	9	250		9.5	1.9		A08	DDT
12SX7	581 481 230 0000	00	12.5	8	250		9	2.6		A08	TT
12SY7	128 841 340 0000	00	12.5	1	100		22	4.5		A08	H
12T10	215 017 841 7830	00	12.6	8	250	250	37	6.5		} A12	PP
				1.9	150	100		1			
12TE8	528 748 310 0000	00	12	{	100		3.4			} A08	TH
					250	100	3.7				
12TE9	{ 801 230 450 0000	00	{	12	100		3.4			} B9A	TH
		00			250	100	3				
12U5	284 713 000 0000	00	12.6	22	250	250	0.2		Ra=1MΩ	UX6	TI
12U7	851 228 413 0000	00	6.3		12		1.2	1		B9A	TT
12V6	028 740 310 0000	00	12.5	12.5	250	250	45	4.1		A08	P
12W6	028 740 310 0000	00	12	9.5	150	150	58	8.0		A08	P
12WC5	287 414 300 0000	00	12	1.5	250	100				UX7	P
12X3	210 300 000 0000	90	12.5				60			UX4	R
12X4	902 30X 100 0000	00	12.5				30			B7G	RR
12Y4	9X2 310 000 0000	00	12				31			UX4	RR
12Z3	291 300 000 0000	00	12.6				30			UX4	R
12Z4	291 300 000 0000	00	12.5				60			UX4	R
12Z5	291 31X 200 0000	00	6				30			UX7	RR
12ZD10A	284 913 000 0000	00	12	2	250		1.5	1.5		UX6	DT
12ZP1A	287 413 000 0000	00	12	9	200	200	30	2.3		UX6	P
13	2X9 300 000 0000	00	5				60			UX4	RR
13BCIU	208 091 X30 0000	40	2.5	1.8	200		3	2		B8B	DDT
13BF2U	208 791 X30 0000	40	12.5	2.1	100	200	5	2		B8B	DDP
13CM5	020 740 310 0000	80	12.8		100	100	100	14		A08	P
13D1	481 581 230 0000	00	25	8	250		2	2.6		A08	TT
13D2	481 581 230 0000	00	6	8	250		9	2.6		A08	TT
13D3	851 228 413 0000	00	6	4.6	250		6	2.3		B9A	TT
13D5	851 238 410 0000	00	12.6	8.5	250	250		1.6		B9A	TT
13D7	148 231 085 0000	00	6.3		250		2.2	3.3		B9A	TT
13D8	851 228 413 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
13DE7	855 238 410 0000	00	13	{	11	250	32	6.5		} B9A	TT
					17.5	150	32	6.5			
13DHA	X09 231 800 0000	40	13	1.5	250		1	1.5		B7	DDT
13DR7	855 238 410 0000	00	13	{	3	250	1.4	1.6		} B9A	TT
					17.5	150	35	6.5			
13EM7	581 481 230 0000	00	13	{	20	150	50	7.2		} B9A	TT
					3	250	1.4	1.6			
13F7	023 110 780 0000	40	13	2	200	100	3	2.1		8SC	P
13F9U	208 701 130 0000	40	12.5	2.6	200	200	6.2	2.2		B8B	P
13FD7	855 238 411 0000	00	6.3	{	250		6	1.6		} B9A	TT
					17.5	150	45	7.5			
13FG7	141 238 085 0000	00	13	{	20	150	50	7.2		} B9A	TT
					3	250	1.4	1.6			
13FM7	205 080 151 4830	00	13	{	3	250	2	2.2		} A12	TT
					25	175	40	6			
13FR7	855 238 411 0000	00	13	{	3	250	1.4	1.6		} B9A	TT
					20	150	50	7.2			
13GF7	151 238 084 0000	00	13	{	3	250	1.4	1.6		} B9A	TT
					20	150	50	7.2			
13H1	023 110 780 0000	40	3	2	200	100	3	2		8SC	P
13H2	023 110 780 0000	40	13	3	200	100	8.2	1.8		8SC	P
13J10	271 817 418 0530	00	13.2	{	100	100				} A12	TP
					8	250	35	6.5			
13SPA	081 231 700 0000	40	13	3	200	100	2.3	1.7		B7	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
13V1	013 19X 780 0000	40	13	8.5	200	200	45	4.4		8SC	DDP
13VPA	081 231 700 0000	40	13	3	200	100	7	1.8		B7	P
14	287 130 000 0000	40	14	3	250	90	4	1		UX5	P
14A4	280 004 130 0000	00	12.5	8	250		9	2.6		B8B	T
14A5	287 004 130 0000	00	12.5	12.5	250	250	30	3		B8B	P
14A7	287 104 130 0000	00	12.5	3	250	100	9.2	2		B8B	P
14AF4	218 458 130 0000	00	12	10	250		9	2.1		B8B	TT
14AF7	218 458 130 0000	00	12.5	9	250		9	2.1		B8B	TT
14B6	284 09X 130 0000	00	12.5	2	250		0.9	1.1		B8B	DDT
14B8	287 474 130 0000	00	12.5	2	250	100		1.1		B8B	H
14C5	287 004 130 0000	00	12.5	12.5	250	250	47	4.1		B8B	P
14C7	287 114 130 0000	00	12.5	3	250	100	2.2	1.5		B8B	P
14E6	284 0X9 130 0000	00	12.5	8	250		9.3	1.9		B8B	DDT
14E7	28X 974 130 0000	00	12.5	3	250	100	7.5	1.3		B8B	DDP
14F6	028 740 310 0000	00	14	16.5	250	250	35	2.5		A08	P
14F7	218 548 130 0000	00	12.5	2	250		2.3	1.6		B8B	TT
14F8	528 118 340 0000	00	12.5	3	250		6	3.3		B8B	TT
14GT8	191 23X 148 0000	00	14	3	250		0.7	1.0		B9A	DDT
14GW8	417 238 158 0000	00	14.7	1.7	250	250	1.2	1.6		B9A	TP
14H7	287 114 130 0000	00	12.5	2	250	150	10	4.2		B8B	P
14J7	208 405 130 0000	00	12.5	3	150		6.6	1.4		B8B	TH
14J7	280 575 130 0000	00	12.5	3	250	100	1.4			B8B	TH
14JG8	191 23X 148 0000	00	14	2	250		2	2.2		B9A	DDT
14K7	208 405 130 0000	00	14	2	100		6.4	2.2		B8A	TH
14L7	280 575 130 0000	00	14	2	200	90	2.7	1.5		B8A	DDT
14L7	284 0X9 130 0000	00	14	1.6	200		15	1.65		B8B	TT
14N7	218 548 130 0000	00	12.5	8	250		9	2.6		B8B	H
14Q7	288 414 130 0000	00	12.5	2	100		15	6		B8B	DDP
14R7	28X 974 130 0000	00	12.5	1	250	100	6.2	3.4		B8B	DDP
14S7	208 405 130 0000	00	12.5	1	100		4.8	1.4		B8B	TH
14S7	280 575 130 0000	00	12.5	2	250	100	4	2		B8B	P
14V7	287 104 130 0000	00	12.5	2	300	150	9.6	5.8		B8B	P
14W7	287 114 130 0000	00	12.5	2.2	300	150	10	5.8		B8B	P
14X7	284 19X 130 0000	00	12.5	1	250		1.9	1.5		B8B	DDT
14Y4	209 00X 130 0000	00	12.5				30			B8B	RR
14Z3	291 300 000 0000	00	12.5				60			UX4	R
15	284 300 000 0000	00	2.5	33	250		22	2.35		UX4	T
15	287 130 000 0000	40	2	1.5	150	75	1.85	0.75		UX5	P
15A6	471 231 800 0000	00	15	2.9	200	175	36	10		B9A	P
15A8	124 571 380 0000	80	15	8	250		9	2.6		A08	TP
15A8			15	7.5	100	100	45	7.3		A08	TP
15AF11	285 814 181 7630	00	6.3	2	200		7	5.5		A12	TTP
15AF11			6.3	2	200	150	9.2	4.4		A12	TTP
15AF11			6.3	3	200		24	11		A12	TTP
15BD7A	841 239 0XD 0000	00	15	1.5	200		1.5	1.6		B9A	DDT
15BD7A			15	2	200		7.0	5.5		B9A	DDT
15BD11	285 814 181 7630	00	6.3	2	200		9.2	4.4		A12	TTP
15BD11			6.3	2.1	150	150	17	10.4		A12	TTP
15CW5	071 230 807 0000	00	15	12.5	200	175	70	10		B9A	P
15DQ8	481 238 157 0000	00	15	1.7	200		3.0	4.0		B9A	TP
15DQ8			15		150	150	18	11		B9A	TP
15E	280 701 300 0000	40	2		150	75	1.8	0.7		B7G	P
15EA7	481 581 230 0000	00	14.8	25	200		48	6.5		A08	TT
15EW6	412 387 100 0000	00	15		150	120	11	14		B7G	P
15F80	741 231 800 0000	00	15		200	200	36	10		B9A	P
15FM7	205 080 151 4830	00	14.8	3	250		2	2.2		A12	TT
15FM7			14.8	25	175		40	6		A12	TT
15FY7	205 080 101 4830	00	14.7	3	250		1.4	1.6		A12	TT
15FY7			14.7	17.5	150		35	6.5		A12	TT
15HB6	141 237 871 0000	00	14.7	4.6	250	250	40	20		B9A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
15KY8	151 238 784 0000	00	15	{ 3 10	250 150	100	1.4 39	1.6 8.4		B9D	TP
15LE8	{ 811 230 174 0000 011 238 174 0000	00 00	{ 15	2.5	100	100	8	5.8		B9A	PP
15TP7	481 238 157 0000	00	15	{ 1.7 2.9	200 200	200	3 18	4 10.4		B9A	TP
15X6 16	02X 190 310 0000 290 300 000 0000	00 00	25 7.5				30 60			A08 UX4	RR R
16A5 16A8	041 230 807 0000 415 238 718 0000	00 00	16 16	14.2 { 1.5 11.5	200 200	200	45 1.7 41	7.5 2.4 7.5		B9A B9A	P TP
16AQ3 16B 16DS4	000 230 009 0000 290 300 000 0000 080 400 010 2030	10 00 00	16.4 7.5 6.3				180 60			B9A UX4 NV	R R T
16GK6 16GK8	141 230 871 0000 415 238 718 0000	00 00	16 16	7.4 {	250 200	250	48 10	11.3 3.4		B9A	R
16GY5 16KA6 16N8	207 140 704 1730 207 140 000 1030 415 238 718 0000	80 80 00	15.8 15.8 15	20 20 { 16	125 125 100	125	50 50 3.3 35	9.1 9.1 3.6 6.4		B9A A12 A12 B9A	TP P P TP
16TP6 16TP8	151 234 887 0000 151 234 887 0000	00 00	16 16	{ 11.5 { 11.5	100 200	175	3.5 41 3.5 41	2.5 7.5 2.5 7.5		B9A B9A	TP TP
17 17AV5 17AX3	284 130 000 0000 421 080 370 0000 200 900 100 8030	00 00 00	14 16 16.8	6 22.5	90 250	150	2.7 57	0.8 5.9		UX5 A08 A12	T P D
17AX4 17AY3 17BE3	001 090 230 0000 090 230 910 0000 200 900 100 9030	00 00 00	16.8 16.8 16.8				120 120 120			A08 B9D A12	R R R
17BF11 17BH3	215 017 841 7830 090 230 901 0000	00 00	16.8 17	{ 6 1.8	150 150	100	38 1.3 180	8.6 1		A12 B9D	PP R
17BQ6 17BS3 17C5 17C8 17C9	020 740 310 0000 090 230 901 0000 142 347 800 0000 741 238 9X1 0000 478 231 578 1000	80 00 00 00 00	17 16.8 16 17 16.8	22.5 7.5 2 1	250 150 150 200 125	150	75 120 49 5 10	6.6 7.5 2.2 8		A08 B9D B7G B9A A10	P R P DDP PP
17CA5 17CU5 17D1 17D4 17DA4	142 347 800 0000 142 347 800 0000 98X 231 700 0000 001 090 230 0000 001 090 230 0000	00 00 40 00 00	16.8 16.8 13 16.8 16.8	4.0 7.5 3	100 100 250	100	32 49 9	8 7.3 1.1		B7G B7G B7 A08 A08	P P DDP D R
17DE4 17DM4 17DQ4 17DQ6 17EW8	001 090 230 0000 001 090 230 0000 001 090 230 0000 020 740 310 0000 851 238 410 0000	00 00 00 80 00	17 16.8 16.8 16 17	 22.5 1.1	250 150	150	120 180 120 75 4.5	5.0 4.5 7.3 6 4.6		A08 A08 A08 A08 B9A	R R R P TT
17F6 17FL8 17GE5 17GJ5 17GT5	041 230 887 0000 741 238 9X1 0000 274 100 800 1430 741 234 700 0000 741 234 708 0000	00 00 00 80 00	17 17 16.8 16.8 16.8	23 1.5 22.5 22.5 42	250 200 250 250 250	200	53 11 65 70 70	5.0 4.5 7.3 7.1 7.1		B9A B9A A12 B9D B9A	P DDP P P P
17GV5 17GW6 17GW8	207 140 704 1730 020 740 310 0000 417 238 158 0000	80 80 00	16.8 16.8 16.8	22.5 22.5 { 1.7 7.0	250 250 250	150	65 70 1.2 36 60	7.3 7.1 1.6 10		A12 A08 B9A	P P TP
17H3 17HC8	109 230 090 0000 415 238 718 0000	00 00	17.5 16.8	3 18	250 250	250	1.4 38	2 5.1		B9A B9A	D TP
17JB6	741 234 710 0000	80	16.8	22.5	250	150	70	7.1		B9D	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _{g2}	V _{g3}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
17JG6	741 231 708 0000	00	16.8		150	100	80	10		B9D	P
17JK8	851 238 410 0000	00	16.8	1.0	100		5.3	6.8		B9A	TT
17JN6	217 140 000 1030	80	16.8	1.3	150		10	13		A12	P
17JN6	217 100 800 1430	00	16.8	22.5	250	150	65	7.3		A12	P
17JT6	741 231 708 0000	00	16.8	22.5	250	150	70	7.1		B9D	P
17JR6	741 234 710 0000	80	16.8	22.5	250	150	70	7.1		B9A	P
17JN6	217 140 000 1030	80	16.8	22.5	250	150	65	7.3		A12	P
17JN6	217 100 800 1430	00	16.8	22.5	250	150	65	7.3		A12	P
17JZ8	280 805 571 4130	00	16.8	5	150		3.3	1.9		A12	TP
17JZ8	280 805 571 4130	00	16.8	8	125	100	44	7.1		A12	TP
17L6	028 740 310 0000	00	16.8	7.0	100	100	49	8		A08	P
17LD8	151 238 784 0000	00	16.8	5	150		3.3	1.9		B9A	TP
17N8	741 238 9X1 0000	00	17	2	200	75	5	2.2		B9A	DDP
17R5	142 347 800 0000	00	16.8	8.5	100	100	40	7		B7G	P
17R7	000 230 009 0000	10	17				120			B9A	R
17W6	028 740 310 0000	00	16.8	9	200	125	46	8		A08	P
17X10	271 817 418 0530	00	16.8		125	100	0.2			A12	PP
17Z3	000 230 009 0000	10	17	6	150	100	38	8.6		B9A	R
18	287 413 000 0000	00	14	16.5	250	250	34	2.5		UX6	P
18A5	421 080 370 0000	00	18	17	200	125	40	4.8		A08	P
18AK5	412 387 100 0000	00	18	2.5	150	125	7.7	5.1		B7G	P
18AJ5	412 387 100 0000	00	18	7.2	150	175	28	3.5		B7G	P
18C51	214 808 513 0000	00	18	2	150		8.2	5.5		B9A	TT
18D2	841 238 715 0000	00	9.5	1.8	150		12.5	10		B9A	TP
18D3	811 238 715 0000	00	9.5	1.6	200	175	10	10		B9A	TP
18D3	857 238 114 0000	00	6.3	1	150		18	8.5		B9A	TP
18DG6	412 387 100 0000	00	18	1	100	100	5	4.3		B7G	P
18DZ8	415 238 718 0000	00	18		100		0.8	1.4		B9A	TP
18F24	281 174 130 0000	00	18	2.1	250	200	15	10.5		A08	P
18FW6	412 387 100 0000	00	18	1	100	100	11	4.4		B7G	P
18FX6	412 387 100 0000	00	18		100	100	24	7		B7G	O
18FY6	412 39X 800 0000	00	18	1	100		0.6	1.3		B7G	DDT
18GD6	141 230 871 0000	00	18		100	100	5	4.3		B9A	P
18GE6	142 380 100 0000	00	18	1	100		1	1.7		B7G	I
18G18	841 238 715 0000	00	18		100	150	10	5.5		B9A	TP
18H18	418 237 815 0000	00	18		100	100	2.5	3.9		B9A	TP
18J6	882 345 100 0000	00	18	1	100		6.5	5		B7G	TT
19	384 582 000 0000	00	2	3	150		1.7			UX6	TT
19A3	002 293 100 0000	00	9.5				60			B7G	R
19AJ8	751 238 584 0000	00	19	3	100		5	2.3		B9A	TH
19AQ5	412 387 400 0000	00	19	2	250	100	6.5	2.4		B7G	P
19AL1	001 090 230 0000	00	19	12.5	250	200	47	4.1		B7G	P
19B1	001 230 009 0000	00	19				120			A08	R
19B76	021 040 370 0000	80	19	15	250	250	60	6		B9A	R
19B17	141 213 871 0000	00	19	2	175	100	9.7	5.9		A08	P
19C8	951 23X 148 0000	00	19	1	100		0.5	1.2		B9A	DDDT
19CL8	481 238 715 0000	00	18.9	0.85	150		15	8		B9A	TP
19DC8	741 238 9X1 0000	00	19	1	150	125	12	5.8		B9A	DDP
19D8	751 238 184 0000	00	19	2	250	100	9	3.8		B9A	TH
19DE7	855 238 411 0000	00	19.5	2.6	200	125	13.5	3.7		B9A	TH
				11	250		7.5	2.4		B9A	TT
				17.5	150		5.5	6.5		B9A	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE	
19EA8	857 238 114 0000	00	18.9	1	150		18	8.5		} B9A	TP	
19EH7	141 230 871 0000	00	19	1	125	125	12	6.4			B9A	P
19EJ7	141 230 871 0000	00	18.9	2.5	200	200	10	15			B9A	P
19FL8	741 238 9X1 0000	00	19	1.5	200	100	11	4.5			B9A	DDP
19G3	020 000 300 0000	90	4				30			A08	R	
19G6	112 311 100 0000	90	4				30			B7G	R	
19GQ7	1X0 23X 191 0000	00	18.9				5			B9A	DDD	
19GV8	841 238 715 0000	00	18.9	0.6	100			6.5		} B9A	TP	
					200	200	41	7.5				
19H1	302 300 000 0000	90	4				60			B4	R	
19H4	020 000 300 0000	90	2.5				30			A08	R	
19HR6	412 387 100 0000	00	18.9	1.2	200	100	13.2	8.5		B7G	P	
19HS6	412 387 100 0000	00	18.9	0.8	150	75	8.8	9.5		B7G	P	
19HV8	481 238 715 0000	00	18.9	1.0	100	150	13	0.8		} B9A	TP	
				1.0	150		13	7				
19J6	882 345 100 0000	00	19	1	100		8.5	5.3		B7G	TT	
19JN8	{ 481 238 715 0000	00	} 18.9	{ 1	125		12	7.5		} B9A	TP	
				1	125	125	13.5	8.5				
19MR9	412 387 400 0000	00	19	2.5	100	100	7	3.5		B7G	P	
19MV5	412 387 400 0000	00	19	2	150	125	10	3.5		B7G	P	
19Q9	{ 578 231 148 0000	00	} 18.9	{ 1	125		14	8		} B9A	TP	
				1	125	125	12	6.5				
19R3	001 230 009 0000	00	19				180			B9A	R	
19RL1	214 808 513 0000	00	19	1.7	150		9	5.5		B9A	TT	
19RL2	841 238 510 0000	00	19	8.5	250		10.5	2.2		B9A	TT	
19RF11	401 238 714 0000	00	19	7	100	100	35	5.5		B9A	P	
19SU	001 230 009 0000	00	19				120			B9A	R	
19T8	YX1 239 148 0000	00	19	3	250		1.0	1.2		B9A	DDDT	
19U3	001 230 009 0000	00	19				120			B9A	R	
19V8	891 234 Y1X 0000	00	19	3	250		1.0	1.2		B9A	DDDT	
19W3	001 230 009 0000	00	19				120			B9A	R	
19X3	001 230 009 0000	00	19				120			B9A	R	
19X8	148 231 578 0000	00	19	1	100		8.5	5.8		} B9A	TP	
				1.8	250	150	7.7	5.6				
19Y3	001 230 009 0000	00	19				120			B9A	R	
19Y40	001 230 009 0000	00	19				180			B9A	R	
20	384 200 000 0000	00	3	16.5	90		3	0.4		UX4	T	
20A1	{ 847 231 800 0000	50	} 4	{ 12.5	100		2.3			} B7	TH	
				1.5	250	75	2.2					
20A3	412 318 100 0000	00	6		400		50	6		B9A	P	
20CH4U	218 745 830	50	20	2	200	100	4.1			} B8A	TP	
							3.5	0.7				
20D1	192 310 X00 0000	00	9.5				5			B7G	RR	
20D2	{ 840 231 000 0000	50	} 13	{ 7.5	100		3.8			} B7	TH	
				3	250	100	2.5					
				1	100		3.6					
20D3	{ 051 330 482 0000	00	} 6.3	{ 3	250	100	3.6			} B9A	TH	
					100		15	3.5				
20D4	751 238 184 0000	00	6.3	2	250	100	7	2.8		B9A	TH	
20EQ7	141 237 890 0000	00	20		100	100	9	10.9		B9A	DP	
20EZ7	223 148 851 0000	00	10	1.0	150			1.6		B9A	TT	
20F2	280 174 130 0000	00	11	1.2	150	150	27	10.6		B8A	P	
20L1	285 184 130 0000	00	12	12	250		10	2.8		B8A	TT	
20P1	020 740 310 0000	80	38	30	200	200	80	6		A08	P	
20P2	020 740 310 0000	80	38	7.5	250	250		13.5		A08	P	
20P3	028 740 310 0000	00	20	9.4	200	175	42	7.2		A08	P	
20P4	020 740 310 0000	80	38	33	200	200	100	6		A08	P	
20P5	280 074 130 0000	00	20	6.3	200	150	29	7.5		A08	P	
20RDHV1	157 238 984 0000	00	20	2	250		1.2	1.6		} B9A	DTP	
				1	250	100	9	3.5				
20Y1	023 100 090 0000	00	20				60			F8	R	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
20Y40	000 230 009 0000	10	20				120			B9A	R
21	287 413 000 0000	00	6.3	45		400	300	65		UX6	P
21A6	041 230 071 0000	80	21.5	28		200	200	40	6.0	B9A	P
21A7	208 405 130 0000	00	21	{	3	150		3.5		B8B	TH
	280 575 130 0000	00				250	100	1.3			
21B6	041 230 071 0000	80	21	23		200	200	45	6.5	B9A	P
21CW7	148 235 118 0000	00	21	1.5		90		12	80	B9A	TT
21DJ8	841 238 510 0000	00	21	1.3		90		15	12.5	B9A	TT
21ES8	841 238 510 0000	00	21	1.3		100		15	12.5	B9A	TT
21EX6	021 040 370 0000	80	21.5			200	150	67	7.7	A08	P
21GY5	207 140 704 1730	80	21	20		125	125	50	9.1	A12	P
21HB5	274 100 800 1430	00	21	20		125	125	46	9.0	A12	P
21HD5	207 140 804 1730	00	21.5	22		150	150	65	10	A12	P
21KA6	207 140 000 1030	80	21	20		125	125	50	9.1	A12	P
21L40	041 231 071 0000	80	21.5	28		200	200	40	6	B9A	P
21LR8	151 238 784 0000	00	21	{	4	250		2.3	3.5	B9A	TP
					10	150	125	56	9.3		
21LU8	280 805 571 4130	00	21	{	4	250		2.3	3.6	A12	TP
					10	150	125	56	9.3		
21TH8	020 748 310 0000	50	21	{	2.5	100		4	2	A08	TH
	028 750 310 0000	50				200	90	3	0.7		
22	387 200 000 0000	40	3		1.5	150	50	1.7	0.3	UX4	P
22AC	287 300 000 0000	40	2.5	3		90	90	4	1.05	UX4	P
22AQ3	000 230 009 0000	10	22					180		B9A	R
22BH3	090 230 901 0000	00	22.4					180		B9D	R
22BW3	200 900 100 9030	00	22.4					120		A12	R
22DE4	001 090 230 0000	00	22.4					120		A08	R
22FC7	148 235 118 0000	00	21.6	1.2		90		15	12.3	B9A	TT
22JG6	741 231 708 0000	00	22			150	150	80	10	B9D	P
22JU6	741 234 710 0000	80	22	20		150	100	45	7	B9D	P
22S/101G	192 310 X00 0000	00	6.3					5		B7G	R
23	207 411 300 0000	80	2.5	90		400	150	43		UX7	P
24	284 300 000 0000	00	2	13.5		200		8	1.6	UX4	T
24A	287 130 000 0000	40	2.5	3		200	90	4	1	UX5	P
24E	287 130 000 0000	40	2.5	3		200	90	4	1	UX5	P
24GA7	277 410 810 0930	00	24	{	22.5	250	150	75	6.6	A12	RP
								30			
24NG	291 1X3 000 0000	00	40					4	1	UX6	RR
24S	287 130 000 0000	40	2.5	3		200	90	4	1	UX5	P
25	289 X43 000 0000	00	2	3		150		1.0	0.5	UX6	DDT
25	205 411 300 0000	80	6.3	90		400	150	43		UX7	P
25A6	028 740 310 0000	00	25	18		150	125	33	2.3	A08	P
25A7	128 749 310 0000	00	25	{	15	100	100	60	1.8	A08	RP
								20.5			
25AC1D	208 009 030 0000	40	1.4	0		150		0.76	0.4	A08	DT
25AC5	028 040 310 0000	00	25			200		4	3.8	A08	T
25AV5	421 080 370 0000	00	25	22.5		250	150	57	5.9	A08	P
25AX4	001 090 230 0000	00	25					120		A08	R
25B6	028 740 310 0000	00	25	22		150	150	61	5	A08	P
25B8	128 781 340 0000	50	25	{	1	100		0.6	1.5	A08	TP
					3	100	100	7.6	2		
25BG6	021 040 370 0000	80	25			150	150	70	5	A08	P
25BK5	804 231 470 0000	00	25	5		250	250	35	8.5	B9A	P
25BG6	020 740 310 0000	80	25	22.5		250	150	55	5.5	A08	P
25C5	142 347 800 0000	00	25	7.5		150	100	49	7.5	B7G	P
25C6	028 740 310 0000	00	25	14		200	150	61	7.1	A08	P
25CA5	142 347 800 0000	00	25	4.5		150	125	36	9.2	B7G	P
25CD6	021 040 370 0000	80	25	30		200	200	75	7.5	A08	P
25CR5	174 231 741 0000	00	25	22.5		250	150	65	6	B9A	P
25C1'6	020 740 310 0000	80	25			300	150	80		A08	P
25D4	001 090 230 0000	00	25					120		A08	R
25D8	128 748 390 0000	50	25	{	1	100		0.5	1.1	A08	DTP
					3	100	100	8.5	1.9		

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE	
25DK4	002 390 100 0000	00	25				60			B7G	R	
25DN6	021 040 370 0000	80	25		150	150	70	9		A08	P	
25DQ6	020 740 310 0000	80	25	22.5	250	150	75	6		A08	P	
25DT5	704 234 108 0000	00	25	16.5	250	250	38	6.5		B9A	P	
25E2	{ 751 228 384 0000 751 228 305 0000	00 00	12.6	{ 2	200	100	4			}	B9A	TH
25E5	020 740 310 0000	80	25	21	200	200	100	11		A08	P	
25EC6	021 040 370 0000	80	25		150	100	70	7.5		A08	P	
25EH5	142 347 800 0000	00	25	3.2	100	125	42	14.6		B7G	P	
25F5	142 347 800 0000	00	25	7.5	100	100	37	5.8		B7G	P	
25F7	020 740 310 0000	80	25	21	150	150	100	11		A08	P	
25FG6	020 740 310 0000	80	25	21	200	175	100	11		A08	P	
25FID	208 701 040 0000	40	1.4	2.5	150	125	1.2	0.7		A08	P	
25FY8	{ 415 238 871 8000	00	2.5	{ 1.5	125	125	50	7		}	B9A	TP
25GB6	020 740 310 0000	80	25	22.5	250	150	6.5	6		A08	P	
25L6	028 740 310 0000	00	25	8.2	200	125	47	8		A08	P	
25MK15	002 390 100 0000	00	25				25			B7G	R	
25RE	291 1X3 000 0000	00	25				30			UX6	RR	
25S	289 X43 000 0000	00	2	3	150		0.8	0.6		UX6	DDT	
25SN7	481 581 230 0000	00	25	8	250		9	2.6		A08	TT	
25T3G	020 000 310 0000	9X	25				60			A08	RR	
25U4	001 090 230 0000	00	25				120			A08	R	
25V5	029 1X0 310 0000	00	25				60			A08	R	
25W4	001 090 230 0000	00	25				120			A08	R	
25W6	028 740 310 0000	00	25	8.5	250	125	46	8		A08	P	
25W9	001 090 230 0000	00	25				120			A08	R	
25X4	020 090 310 0000	00	25				120			A08	R	
25X5	020 090 310 0000	00	25				120			A08	R	
25X6	029 1X0 310 0000	00	25				30			A08	RR	
25Y4	020 090 310 0000	00	25				60			A08	R	
25Y5	291 1X3 000 0000	00	25				60			UX6	RR	
25Y5G	029 1X0 310 0000	00	25				60			A08	RR	
25Y6	029 1X0 310 0000	00	25				30			A08	RR	
25Z3	291 300 000 0000	00	25				60			UX4	R	
25Z4	029 09C 310 0000	00	25				120			A08	R	
25Z5	2X1 193 000 0000	00	25				60			UX6	RR	
25Z6	02X 190 310 0000	00	25				60			A08	RR	
26	284 300 000 0000	00	1.5	10	150		5.5	1.1		UX4	T	
26A6	412 387 100 0000	00	26	1.8	250	250	10.5	4		B7G	P	
26A7	415 872 380 0000	00	26	4.5	30	30	20	5.5		A08	PP	
26AB6	000 230 009 0000	10	26							B9A	R	
26AQ8	851 238 410 0000	00	26	1.5	200		8.7	6		B9A	TT	
26B6	028 740 310 0000	00	35	18	250	125	33	2.3		A08	P	
26BK6	412 39X 800 0000	00	26	2	250		1.2	1.6		B7G	DDT	
26BQ6	020 740 310 0000	80	25	22.5	250	150	55	5.8		A08	T	
26C6	412 3X9 800 0000	00	26	9	250		9.5	1.9		B7G	DDT	
26CG6	412 387 100 0000	00	26		250	150	9	2		B7G	P	
26D6	412 387 100 0000	00	26	0	100	100	2.7	7.2		B7G	H	
26E6	028 740 310 0000	00	26	14	200	125	60	7.1		A08	P	
26NG	291 1X3 000 0000	00	40				30			UX6	RR	
26Z5	901 22X 013 0000	00	13				30			B9A	RR	
26Z6	901 23X 010 0000	00	26				60			B9A	RR	
27	284 130 000 0000	00	2.5	21	250		5.2	0.9		UX5	T	
27BL8	857 238 114 0000	00	27	{ 2	100	175	14	5		}	B9A	TP
27S	284 130 000 0000	00	2.5	21	250		5.2	0.9		UX5	T	
27SU	320 090 210 0000	00	13				120			A08	R	
27SV	230 090 310 0000	00	13				180			A08	R	
28AK8	9Y1 23X 148 0000	00	28	2	200		1.3	1.5		B9A	DDDT	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
28AX8	9Y1 23X 148 0000	00	28	1	100		0.8	1.4		B9A	DDDT
28D7	247 881 530 0000	00	28	3.5	30	30	12.5	3.4		B8B	PP
28HD5	207 140 804 1730	00	28	22	150	150	65	10		A12	P
28Z5	209 00X 130 0000	00	28				60			B8B	RR
29	284 413 000 0000	00	2.5	3	200		4.5	1.4		UX6	T
29C1	220 293 330 0000	00	4							A08	D
29GK6	141 230 871 0000	00	28.6	7.4	250	250	48	11.3		B9A	P
30	384 200 000 0000	00	2	9	150		3	0.9		UX4	T
30A5	142 347 800 0000	00	30	6.7	100	100	43	9.2		B7G	P
30AE3	000 230 009 0000	10	30							B9A	D
30AG11	219 158 841 X130	00	30	1	125	7.5	7.8			A12	DDTT
30C1	857 238 114 0000	00	9	2	100		14	5		B9A	TP
				2	200	200	10	6.6			
30C13	178 238 415 0000	00	9	2	100		14	5		B9A	TP
				2	200	175	10	6.2			
30C15	178 238 415 0000	00	9		150		6	5		B9A	TP
					200	125	7.6	8.5			
30C17	178 238 415 0000	00	7.4	0.8	100	150	15	8.5		B9A	TP
					200		6.4				
30C18	878 231 514 0000	00	7.4	3	100		14	5.5		B9A	TP
				1.5	125	125	10	11			
30F5	141 230 871 0000	00	7.5	1.8	200	200	10	8.8		B9A	P
30F27	141 230 871 0000	00	3.7	1.2	200	150	13.5	15		B9A	P
30FL1	841 238 751 0000	00	9.4	7.9	200		10	3.6		B9A	TP
				2.1	200	200	10	7.5			
30FL12	841 238 751 0000	00	10	4.9	150		10	3.7		B9A	TP
				2.9	200	200	10	12.5			
30FL13	841 238 751 0000	00	10		200		10	3.4		B9A	TH
					200	200	10	12.5			
30FL14	878 231 514 0000	00	7.4	3	100		14	5.5		B9A	TP
				1.7	150	150	12	14.5			
30GP9	028 743 100 0000	00	30	19	200	200	45	3.5		A08	P
30L1	158 234 118 0000	00	7.5	3.4	150		26	6.6		B9A	TT
30L15	158 324 118 0000	00	7	1.2	90		15	9		B9A	TT
30L17	148 235 118 0000	00	7.2	6	75		15	16.5		B9A	TT
30P4	020 740 310 0000	80	25	21	200	200	100	11		A08	P
30P12	041 230 807 0000	00	12	10.3	200	200	31	6.7		B9A	P
30P14	028 740 310 0000	00	13	9.4	200	200	42	7.2		A08	P
30P16	041 230 807 0000	00	16	14.2	200	200	45	8.2		B9A	P
30P18	041 230 807 0000	00	16	6	200	200	34	10		B9A	P
30P19	020 740 310 0000	80	25	15	400	175	100	15		A08	P
30PL1	841 238 175 0000	00	13	7.9	200		10	3.4		B9A	TP
				9.6	200	200	28	6			
30PL12	415 238 718 0000	00	16		100		3.5	2.5		B9A	TP
				16	200	200	35	6.4			
30PL13	415 238 718 0000	00	16	7.9	200		10	3.4		B9A	TP
				20	250	250	77	10			
30PL13	415 238 718 0000	00	16	7.9	200		10	3.4		B9A	TP
				20	250	250	77	10			
30PL14	415 238 718 0000	00	16	7.7	200		10	3.4		B9A	TP
				15	150	150	50	7.6			
30X	284 300 000 0000	00	2	12.5	175		3.1	9.3		UX4	T
31	384 200 000 0000	00	2	22.5	150		8	0.9		UX4	T
31A3	290 000 130 0000	00	31				60			B8A	R
31AV3	001 230 009 0000	00	31				60			B9A	R
31BX7	481 581 230 0000	00	31.5	17	250		42	7.2		A08	TT
31JS6	217 140 000 1730	80	31.5	28	175	125	100	11.3		A12	P
31Z	245 300 000 0000	80	6	100	400		75	2.8		UX4	TT
32	245 300 000 0000	08	6	15	400		75			UX4	P
	387 200 000 0000	40	2	3	150	75	1.7	0.6			
32A8	415 238 718 0000	00	32	1	100		1	1.9		B9A	TP
				16	200	200	35	6.4			
32E	387 200 000 0000	40	2	3	150	75	1.7	0.6		UX4	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _{gm} mA/V	ADDENDA	BASE	TYPE	
32ET5	142 347 800 0000	00	32	7.5	100	100	30	5.5		B7G	P	
32GA7	277 410 810 0930	00	32	{	22.5	250	150	120	6.6	{	A12	RP
32L7	128 749 310 0000	00	32.5					75				
				5	90	90	38	6			A08	RP
33	384 720 000 0000	00	2	14	150	150	14.5	1.4		UX5	P	
33/100A	020 540 310 0000	88	6	14	300		10	3		A08	TT	
33A/101K	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT	
33A/138A	204 150 300 0000	88	7	7	250		15	3		UX7	TT	
33A/158M	218 138 130 0000	00	6	5	200		20	2.8		B8B	TT	
33B/152M	521 342 135 0000	88	6	1	300		40	18.5		B9G	TT	
33GT7	290 180 014 7430	00	33.6	22.5	125	125	48	6.5		A12	DP	
33JV6	215 100 800 1430	00	33	20	125	125	50	9.1		A12	P	
33GY7	290 180 014 4730	00	33.6	22.5	125	125	48	6.5		A12	DP	
34	204 150 300 0000	88	6.3	36	300		80	4.4		UX7	TT	
34	387 200 000 0000	40	2	3	150	75	2.8	0.6		UX4	P	
34CE3	200 900 100 9030	00	34.5				180			A12	R	
34GD5	142 317 800 0000	00	34	7.5	100	100	35	5.7		B7G	P	
35	287 130 000 0000	40	2.5	3	250	90	6.5	1		UX5	P	
35A3	002 390 100 0000	00	35				60			B7G	R	
35A5	287 004 130 0000	00	35	8	200	100	41	5.9		B8B	P	
35B5	412 387 400 0000	00	35	7.5	150	100	40	5.8		B7G	P	
35C3	002 390 100 0000	00	35				60			B7G	R	
35C5	142 347 800 0000	00	35	7.5	150	100	40	5.8		B7G	P	
35CD6	021 040 370 0000	80	35	30	200	175	75	7.7		A08	P	
35D5	401 238 070 0000	00	35	10.5	200	175	52	9.5		B9A	P	
35DZ8	415 238 718 0000	00	35	{	150		0.8	1.4	{	B9A	TP	
					150	125	45	7.5				
35EH5	142 347 800 0000	00	35	62	100	100	3.2	12		B7G	P	
35F4	412 387 400 0000	00	35	7.5	100	100	41	5.8		B7G	P	
35F6	041 230 887 0000	00	35	23	250	200	55	5		B9A	P	
35FN5	721 441 370 0000	80	35	22.5	200	250	100	10		B8A	P	
35GD5A	142 347 800 0000	00	34	7.5	100	100	45	7.5		B7G	P	
35GL6	142 273 800 0000	00	35	7.5	100	100	45	7.5		B7G	P	
35HB8	418 237 815 0000	00	35	{	100		2.5	3.9	{	B9A	TP	
					100	100	32	6.2				
35L6	028 740 310 0000	00	35	7.5	200	100	40	5.8		A08	P	
35L31	412 387 400 0000	00	35	13	200	200	55	8		B7G	P	
35QL6	471 238 174 0000	00	35	11.5	200	200	52	9.5		B8A	P	
35R1	002 392 100 0000	00	35				60			B7G	R	
35R2	002 390 100 0000	00	35				60			B7G	R	
35RE	291 1X3 000 0000	00	35				60			UX6	RR	
35S	287 120 000 0000	40	2.5	3	250	90	6.5	10.8		UX5	P	
35W4	002 393 100 0000	00	27.5				60			B7G	R	
35X4	002 390 100 0000	00	35				60			B7G	R	
35Y4	290 200 130 0000	00	27.5				60			B8B	R	
35Y5	290 200 130 0000	00	17.5				60			B8B	R	
35Y31	002 390 100 0000	00	35				120			B7G	R	
35Z3	290 000 130 0000	00	35				120			B8B	R	
35Z4	020 090 310 0000	00	35				120			A08	R	
35Z5	020 090 310 0000	00	35				60			A08	R	
35Z6	029 1X0 310 0000	00	35				60			A08	RR	
36	287 130 000 0000	40	6	3	250	90	3.2	1		UX5	P	
36AM3	002 293 100 0000	00	36				60			B7G	R	
37	284 130 000 0000	00	6	18	250		7.5	1.1		UX5	T	
38	287 130 000 0000	40	6	18	200	200	14	1		UX5	P	
38A3	001 230 009 0000	00	38				60			B9A	R	
38HE7	290 180 014 0730	00	37.8	22	125	125	60	8.8		A12	RP	
38R3	001 230 009 0000	00	38				180			B9A	R	
39	280 701 300 0000	40	6.3	3	250	90	5.8	1		B7G	P	
39	287 130 000 0000	40	6	3	200	90	5.8	1		UX5	P	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
40	384 200 000 0000	00	5	1.5	200		0.2	0.2		UX4	T
40FR5	142 347 800 0000	00	40		150		30	6.0		B7G	P
40PPA	047 231 800 0000	00	40	25	150	150	36	2		B7	P
40SLA	902 310 000 0000	00	40				60			B5	R
40Z5	022 090 310 0000	00	35				120			A08	R
41	287 413 000 0000	00	6	18	250	250	32	2.3		UX6	P
41FP	842 310 000 0000	00	6	18	250		19	2.8		B5	T
41M	028 740 310 0000	00	6	18	250	250	32	2.3		A08	P
41MDG	872 310 000 0000	40	4	0	150	100		0.2		B5	P
41ME	023 104 780 0000	00	4	5	250	250			Ra=1MΩ	8SC	TI
41MH	842 310 000 0000	00	4	1.5	200		3.2	3		B5	T
41MHF	842 310 000 0000	00	4	2	150		2.5	2.8		B5	T
41MHL	842 310 000 0000	00	4	3	200		4	3.1		B5	T
41MLF	842 310 000 0000	00	4	4.5	200		7.5	1.9		B5	T
41MP	842 310 000 0000	00	4	7.5	200		24	6.0		B5	T
41MPG	474 231 800 0000	40	4	1.5	250	100	3.3			B7	H
41MPT	041 231 700 0000	80	4	1.5	250	100	12	4.8		B7	P
41MRC	842 310 000 0000	00	4	1	200		2.5	2.6		B5	T
41MSG	487 230 785 0000	00	4	1.5	150	60	0.8	2.5		B9	PP
41MSG	742 310 000 0000	00	4	1.5	150	60	0.8	2.5		B5	P
41MTA	842 310 000 0000	00	4	1	100		4.9	4		B9	T
41MTB	842 310 000 0000	00	4	1	100		3.6	2.6		B5	T
41MTL	842 310 000 0000	00	4	2.5	200		5.9	3		B5	T
41MTS	{ 047 231 800 0000	00	4	1	250	100	5	1.6		B7	PP
41MTS	{ 057 231 000 0000	80									
41MXP	{ 842 310 000 0000	00									
41MXP	842 310 000 0000	00	4	12.5	200		40	6		B5	T
41MVSG	742 310 000 0000	80	4	1.4	200	200	3	2		B5	P
41STH	{ 840 321 000 0000	50	4	1.5	100	60	2	1		B7	TH
41STH	{ 057 321 800 0000	50									
41STH	{ 057 321 800 0000	50									
42	284 300 000 0000	00	1.5	13.5	150		3.9	0.8		UX4	T
42	287 413 000 0000	00	6	16.5	250	250	34	2.5		UX6	P
42MP/PEN	C45 231 800 0000	00	4	5.5	250	250	32	6		B7	P
42MPT	041 231 700 0000	80	4	3	200	200	34	8.5		B7	P
42/OT	047 231 800 0000	00	4	5.5	250	275	34	7		B7	P
42OTDD	X89 231 700 0000	40	4	5.5	250	250	34	7		B7	DDP
42PTB	081 231 700 0000	40	4	3	200	200	34	8.5		B7	P
42SPT	041 231 700 0000	80	4	10.5	250	250	64	11		B7	P
43	284 583 000 0000	00	1.5	4.5	135		3	0.9		UX6	TT
43	287 413 000 0000	00	25	18	150	125	33	2.3			
43IU	9X2 300 000 0000	00	4				60				
43MG	028 740 300 0000	00	25	18	250	125	32	2.3		A08	P
44	287 130 000 0000	40	6	3	200	90	5.8	1		UX5	P
44A/160M	241 878 153 0000	00	6	14	250	250	30	3.9		B9G	PP
44GW8	417 238 158 0000	00	44	1.7	250	250	36	1.6		B9A	TP
44IU	9X2 300 000 0000	00	4	7			60	10			
44SL	902 300 000 0000	00	4				30				
45	284 300 000 0000	00	2.5	50	250		34	2.1		UX4	T
45A5	280 074 130 0000	00	45	9	200	200	54	9.5		B8A	P
45B5	041 230 807 0000	00	45	12.5	200	200	70	10		B9A	P
45BQ5	041 230 807 0000	00	45	12.5	300	175	70	10		B9A	P
45DQ8	481 238 157 0000	00	45	1.7	200		3	4		B9A	TP
45DQ8	481 238 157 0000	00	45	12.5	200	175	70	10			
45DQ8	481 238 157 0000	00	45	1.7	200		3	4			
45DX8	481 238 157 0000	00	45	2.1	200	175	18			B9A	TP
45IU	9X2 300 000 0000	00	4				120			B4	RR
45L11	208 740 130 0000	00	45	13	200	200	45	7.5		A08	P
45Z3	290 109 300 0000	00	45				60			B7G	R
45Z5	022 090 310 0000	00	37.5				60			A08	R
46	284 830 000 0000	00	2.5	33	250		22	2.3		UX5	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
47	284 730 000 0000	00	2.5	16.5	250	250	31	2.5		UX5	P
48	287 413 000 0000	00	30	10	100	100	52	3.8		UX6	P
48A8	415 238 718 0000	00	48	{ 11.5	100		3.5	2.5		} B9A	TP
49	284 830 000 0000	00	2		150	150	41	7.5			
49	287 413 000 0000	00	6.3	20	150		6	1.1		UX5	T
				50	400	250	95			UX6	P
50	284 300 000 0000	00	7.5	70	400		55	2.1		UX4	T
50A5	287 004 130 0000	00	50	7.5	150	100	49	8		B8B	P
50AX6	029 1X0 310 0000	00	50				120			A08	RR
50B5	412 387 400 0000	00	50	7.5	150	100	49	7.5		B7G	P
50BC1D	208 09X 030 0000	40	1.4	0.5	90		1.4	0.8		A08	DDT
50BK5	804 231 470 0000	00	50	5	250	250	35	8.5		B9A	P
50BMB	415 238 718 0000	00	50	{ 10	100		3.5	2.5		} B9A	TP
					150	150	41	7.5			
50C5	142 347 800 0000	00	50	7.5	150	100	49	7.5		B7G	P
50CID	208 09X 030 0000	40	1.4	1.5	100		1.5	0.9		A08	DDT
50C6	028 740 310 0000	00	50	13.5	150	150	58	7		A08	P
50CA5	142 347 800 0000	00	50	4.5	150	125	37	9.2		B7G	P
50CD6	021 040 370 0000	80	50	30	200	200	75	7.5		A08	P
50DC4	002 393 100 0000	00	25				60			B7G	R
50EH5	142 347 800 0000	00	50	3.2	100	125	42	14.6		B7G	P
50F2	412 387 400 0000	00	50	7.5	100	100	50	7.5		B7G	P
50F2D	208 701 030 0000	40	1.4	1.5	100	125	1.4	1		A08	P
50FA5	142 347 800 0000	00	50	7.5	100	100	40	5.8		B7G	P
50FE5	028 740 310 0000	00	50	16	150	150	80	9.5		A08	P
50FK5	142 347 800 0000	00	50		100	100	32	12.8		B7G	P
50FY8	415 238 718 0000	00	50	{ 1.5	150		2.5	2		} B9A	TP
					150	125	50				
50LID	208 740 030 0000	00	1.4	4.5	100	125	4.8	1		A08	P
50L6	028 740 310 0000	00	50	8.2	200	125	46	9.5		A08	P
50R4	090 230 X01 0000	00	50				60			B9A	RR
50RP1	141 238 719 0000	00	50	{ 1			60			} B9A	RP
					200	100	9	4.5			
50X6	21X 009 130 0000	00	50				60			B8D	RR
50YIU	399 209 120 0000	00	45				120			A08	R
50Y6	02X 190 310 0000	00	50				60			A08	RR
50Y7	029 1X3 310 0000	00	46				60			A08	RR
50Z6	02X 190 310 0000	00	50				120			A08	RR
50Z7	02X 190 310 0000	00	50				60			A08	RR
51	287 130 000 0000	40	2.5	3	250	90	6.5	10.5		UX5	P
52	284 730 000 0000	00	6	1	250	100	41	2		UX5	P
52KU	030 X09 020 0000	00	5				60			A08	RR
53	285 148 300 0000	00	2.5	5	250		3	1.6		UX7	TT
53KU	030 X09 020 0000	00	5				120			A08	RR
54KU	030 X09 020 0000	00	5				120			A08	RR
55	28X 913 000 0000	40	2.5	20	250		8	1.1		UX6	DDT
55A/165M	247 881 530 0000	00	12	15	150	150	60	4		B8G	FP
55N3	001 230 009 0000	00	55				120			B9A	R
56	284 130 000 0000	00	2.5	12.5	250		5	1.4		UX5	T
56AS	284 130 000 0000	00	6	13.5	250		5	1.4		UX5	T
57	287 113 000 0000	40	2.5	3	250	100	2	1.2		UX6	P
57AS	287 113 000 0000	40	6	3	250	100	2	0.2		UX6	P
58	287 113 000 0000	40	2.5	3	250	100	8	1.5		UX6	P
58AS	287 113 000 0000	40	6	3	250	100	8	1.5		UX6	P
58TF1	518 238 786 0000	40	58	{ 2	200		4	1.5		} B9A	TPP
					250	250	38	2.5			
59	287 411 300 0000	00	2.5	18	250	250	35	2.5		UX7	P
59B	287 410 300 0000	00	2.5	26	250	250	26	6		UX7	P
60	200 300 000 0000	9X	5				120			UX4	RR
60/250	9X2 300 000 0000	00	4				30			B4	RR
60E3	002 390 100 0000	00	60				60			B7G	R
60FX5	142 347 800 0000	00	60	62	100	100	36	13.5		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{B1}	V _a	V _{B2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
61BT	020 740 310 0000	80	6	20	200	200	40	4		A08	P
61SPT	720 804 310 0000	00	6	10.5	250	250	64	11		A08	P
62DDT	284 0X9 130 0000	00	6	3	250		1	1.3		B8A	DDT
62TH	208 405 130 0000	00	6	2	100		5	2.2		B8A	TH
	280 575 130 0000			2	150	100	8	2			
62VP	281 174 130 0000	00	6	2.5	250	100	6	2.2		B8A	P
63ME	028 740 310 0000	00	6.3	22	250	250	0.3		Ra=1MΩ	A08	TI
63SPT	278 101 403 0000	00	6	2	250	250	10	6.5		B9G	P
63TP	841 238 175 0000	00	6.3	2.3	100		4	1.9		B9A	TP
				8	200	200	17	3.3			
64	280 101 300 0000	40	6.3	3	200	90	3.1	1		B7G	P
64ME	028 470 310 0000	00							Ra=1MΩ		
	020 478 310 0000	00	6.3	16	250	250			Ra=1MΩ	A08	TI
				2.5	250	250					
65	287 130 000 0000	40	6	3	200	90	4.5	1		UX5	P
65ME	410 230 807 0000	00	6.3		250	250				B9A	TI
66KU	290 00X 130 0000	00	6				30			B8A	RR
67	284 130 000 0000	00	6	9	150		5	1.1		UX5	T
67PT	281 074 130 0000	00	6	7	250	250	36	10		B8A	P
68	287 130 000 0000	40	6	13.5	150	90	14	1.4		UX5	P
69	284 413 000 0000	00	6	3	200		4.5	1.4		UX6	T
70	284 413 000 0000	00	6	6	200		2.3	0.5		UX6	T
70A7	128 749 310 0000	00	70	7.5	150	100	60	5.8		A08	RP
							40				
70L7	128 741 390 0000	00	70	7.5	125	100	60	7.5		A08	RP
							40				
71	284 300 000 0000	00	5	40	200		20	1.7		UX4	T
71A	284 300 000 0000	00	5	16.5	90		10	1.4		UX4	T
75	020 000 300 0000	84	6	60	400		82			A08	T
75	28X 913 000 0000	40	6	2	250		0.9	1.1		UX6	DDT
76	284 130 000 0000	00	6	13.5	250		5	1.4		UX5	T
77	287 113 000 0000	40	6	3	250	100	2.3	1.25		UX6	P
78	287 113 000 0000	40	6	3	250	125	10.5	1.65		UX6	P
79	284 183 000 0000	50	6.3		250		10.6			UX6	TT
80	2X9 300 000 0000	00	5				60			UX4	RR
80HK	390 200 000 0000	00	5				60			UX4	R
80M	29X 300 000 0000	00	5				60			UX4	RR
80S	29X 300 000 0000	00	5				60			UX4	RR
81	290 300 000 0000	00	7.5				60			UX4	R
82	29X 300 000 0000	00	2.5				60			UX4	RR
83	29X 300 000 0000	00	5				120			UX4	RR
84	29X 130 000 0000	00	6				30			UX5	RR
85	28X 913 000 0000	40	6	20	250		8	1.1		UX6	DDT
85S	289 X13 000 0000	40	6	10.5	250		3.7	0.7		UX6	DDT
88	29X 300 000 0000	00	5				60			UX4	RR
89	287 113 000 0000	40	6	10	100	100	9.5	1.2		UX6	P
90	284 413 000 0000	00	2.5		150		3.5	1.4		UX6	T
90AC	842 310 000 0000	00	4	12.5	200		40	7.5		B5	T
92	284 413 000 0000	00	6		250		3.5	1.4		UX6	T
95	287 413 000 0000	00	2.5	20	350	300	42	2.3		UX6	P
96	291 300 000 0000	00	10				120			UX4	R
98	29X 130 000 0000	00	6				30			UX5	RR
99V	428 300 000 0000	00	3.3	4.4	90		2.5	0.4		UX4	T
99X	284 300 000 0000	00	3.3	4.5	90		2.5	0.4		UX4	T
100AC	842 310 000 0000	00	4	6	200		5	2		B5	T
104V	842 310 000 0000	00	4	1	100		15	3.5		B5	T
100/200LLID	348 748 220 0000	00	1.4	9.4	150	125	4			A08	P
112A	384 200 000 0000	00	5	4.5	90		5	1.5		UX4	T
114	020 000 300 0000	84	1.4	4	200		12	1.1		A08	T
116/Pen	007 231 800 0000	40	11.5	1	100	100	7			B7	P
117DD	741 238 9X1 0000	00	17	2	250	150	5	2.2		B9A	DDP
117L7	128 479 310 0000	00	117	5.2	100	100	60	5.3		A08	RP
							43				

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE		
117M7	128 479 310 0000	00	117	{	5.2	100	100	60	5.3	}	A08	RP	
117Z3	002 391 000 0000	00	117					43			B7G	R	
117Z4	020 090 310 0000	00	117					60			A08	R	
117Z6	02X 190 310 0000	00	117					60			A08	RR	
120	842 310 000 0000	00	2	12	150		12				B5	T	
120VPA	041 230 700 0000	80	2	1	150	60	2.9	1.1			B7	P	
121VP	280 074 130 0000	00	12.5		200	150	7.2	2.3			B8A	P	
124AC	742 310 000 0000	80	4	1.4	200	60	1.6	0.9			B5	P	
141DDT	284 09X 130 0000	00	14	1.5	200		1.5	1.6			B8A	DDT	
141TH	{ 208 405 130 0000 280 575 130 0000	00	}	14	{	2	100	5	2	}	B8A	TH	
		00		2		250	100	8	2.2				
142BT	028 740 130 0000	00	14	8.5	200	200	29	3.7			A08	P	
144V	842 310 000 0000	00	4	8	200		6	1.4			B5	T	
154V	842 310 000 0000	00	4	6	200		9	2			B5	T	
163Pen	041 230 807 0000	00	16	10.4	200	175	53	9.5			B9A	P	
164V	842 310 000 0000	00	4	9	200		12	3.4			B5	T	
171DDP	741 238 9X1 0000	00	17	2	200	125	5	2.2			B9A	DDP	
181	284 300 000 0000	00	3	30	200		16	1			UX4	T	
182	284 300 000 0000	00	5	45	200		18	1.5			UX4	T	
183	284 300 000 0000	00	5	60	250		30	1.7			UX4	T	
185BT	020 740 310 0000	80	18	18	200	200	100	9.5			A08	P	
200	200 300 000 0000	90	2.5				15				UX4	R	
200A	284 300 000 0000	00	5		60		1.5	0.7			UX4	T	
202DDT	90X 231 800 0000	40	10	3	200		3	2.4			B7	DDT	
202MFG	747 231 800 0000	40	20	1.5	200	100	3				B7	H	
202SPB	081 231 700 0000	40	20	1.5	250	100	4.8	2.8			B7	P	
202STH	{ 840 231 000 0000 057 231 800 0000 041 231 700 0000 081 231 700 0000	50	}	20	{	1.5	100	2	2.2	}	B7	TH	
202VP		80		20		1.5	250	100					4.3
202VPB		40		20		1.5	250	100					4.3
203THA		40		20		2	250	100					3.5
205D	284 300 000 0000	00	3.5	29	400		30				UX4	T	
205E	284 300 000 0000	00	4.5	22.5	350		29	1.9			UX4	T	
205F	284 300 000 0000	00	4.5	18	300		31	1.7			UX4	T	
210DDT	892 3X0 000 0000	40	2	1	100		2.3	1.1			B5	DDT	
210DET	842 300 000 0000	00	2	4.5	150		3	1.1			B4	T	
210DPT	041 230 700 0000	80	2	1	150	60	2.9	1.3			B7	P	
210HF	842 300 000 0000	00	2	3	150		1.6	1.5			B4	T	
210HL	842 300 000 0000	00	2	3	150		1.6	1.1			B4	T	
210HPT	842 370 000 0000	00	2	4.5	150	175	7.5	2.5			B5	P	
210LF	842 300 000 0000	00	2	4.5	150		4.8	1.4			B4	T	
210RC	842 300 000 0000	00	2	1.5	150		0.8	0.8			B4	T	
210SPT	041 230 700 0000	80	2	1	150	60	1.9	1.1			B7	P	
210T	284 300 000 0000	00	7.5	32	350		16	1.5			UX4	T	
210VPA	041 230 700 0000	80	2	1	150	60	2.9	1.1			B7	P	
210VPT	041 231 700 0000	80	2	1	150	60	1.9	1.1			B7	P	
213	29X 300 000 0000	00	5				30				UX4	RR	
213Pen	041 230 071 0000	80	21	22	200	200	45	6.2			B9A	P	
215P	842 300 000 0000	00	2	7.5	150		10	2.2			B4	T	
215SG	742 300 000 0000	80	2	1	150	60	1.4	1.1			B4	P	
217A	229 300 000 0000	00	10				120				UX4	R	
220	200 300 000 0000	90	2.5				15				UX4	R	
220B	458 230 800 0000	00	2	3	150		5.0	1.5			B7	TT	
220DD	9X2 310 000 0000	00	2								B5	DD	
220HPT	842 370 000 0000	00	2	4.5	150	150	8	2.5			B5	P	
220IPT	040 230 700 0000	80	2	1.5	150	60	2.2	1			B7	P	
2200T	842 370 000 0000	00	2	4.5	150	150	9.5	2.5			B5	P	
220P	842 300 000 0000	00	2	7.5	150		11	2.2			B4	T	
220PA	842 300 000 0000	00	2	4.5	150		10	4			B4	T	
220PT	842 370 000 0000	00	2	9	150	150	19	2.5			B5	P	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
220SG	742 300 000 0000	80	2	1	150	60	1.5	1.6		B4	P
220TH	840 320 000 0000	50	2	3	100		1.7	1.2		B7	TH
220VS	057 320 800 0000	50	2	1	150	60	0.6	0.6		B4	P
220VSG	742 300 000 0000	80	2	1	100	60	2	1.6		B4	P
225DU	742 300 000 0000	80	2	1.5	150	60	2.6	1.5		B4	P
	092 323 X00 0000	00	2				15			B7	RR
230	842 300 000 0000	00	2	20	150		18	3		B4	T
230	200 300 000 0000	90	5				30			UX4	R
230PT	842 370 000 0000	00	2	15	150	150	14	2		B5	P
230XP	842 300 000 0000	00	2	18	150		22	3		B4	T
231D	284 300 000 0000	00	3	3	90		2.1	8.4		UX4	T
240B	548 230 800 0000	00	2	1	150		8.5			B7	TT
240QP	548 237 800 0000	00	2	12	150	150	6			B7	PP
244	284 130 000 0000	00	2	6	150		5.5	1		UX5	T
244V	842 310 000 0000	00	4	5.5	200		5.5	2.8		B5	T
245A	287 130 000 0000	40	2	1.5	150	50	4.8	0.6		UX5	P
246A	387 200 000 0000	40	3.3	1.5	150	40	1.5	0.4		UX4	P
247A	208 040 030 0000	00	2	4.5	150		3.2	0.9		A08	T
248A	028 710 310 0000	40	6.3		150	125	5.5	1.8		P	
249B	223 300 000 0000	90	2.5				120			UX4	R
252A	284 300 000 0000	00	5	50	400		60	3.4		UX4	T
255	289 X43 000 0000	00	2	3	150		0.8	0.6		UX6	DDT
257	284 730 000 0000	00	5	21.5	100	100	20	1.3		UX5	P
257A	280 300 000 0000	40	3.1	3	90		2.1	0.5		UX4	T
259A	287 130 000 0000	40	2	1.5	200	75	5.5	1.4		UX5	P
262B	281 300 000 0000	40	10	4.5	150		2.8	0.9		UX4	T
264	284 300 000 0000	00	1.1	9	150		2.5	0.6		UX4	T
264C	284 300 000 0000	00	1.5	8	100		2.1	0.6		UX4	T
264E	284 300 000 0000	00	1.4	8	100		2.1	0.6		UX4	T
271A	284 130 000 0000	00	5	30	400		37.5	2.9		UX5	T
272A	284 130 000 0000	00	10	15	150		5.4	0.7		UX5	T
274A	29X 300 000 0000	00	5				60			UX4	RR
274B	29X 300 000 0000	00	5				60			UX4	RR
275A	284 300 000 0000	00	5	4.5	200		47	2.7		UX4	T
281A	284 730 000 0000	00	5	60	150	75	35	1.5		UX5	P
283A	287 130 000 0000	40	2	1.5	200	75	5.9	1.3		UX5	P
285	287 130 000 0000	40	2	12	200	150	8.8	0.9		UX5	P
286A	287 113 000 0000	40	2	1.5	200	75	6.2	1.2		UX6	P
290A	287 113 000 0000	40	10	1.5	180	750	5.4	1.2		UX6	P
293A	287 413 000 0000	00	10	18	200	200	14.5	1		UX6	P
300A	284 300 000 0000	00	5	61.5	300		60	5.4		UX4	T
302	847 231 800 0000	50	30	2	100		1.5			B7	TH
	057 231 800 0000	50	30	2	250	100	3.5			B7	TH
302THA	847 231 800 0000	40	30	2	100		1.5			B7	TH
303A	289 X43 000 0000	00	2	6	250	100	3.5			UX6	DDT
309A	287 413 000 0000	00	10	1.5	140		2.1	0.7		UX6	P
310A	287 113 000 0000	40	10	3	150	150	5.5	1.8		UX6	P
310B	287 113 000 0000	40	10	3	150	150	5.5	1.8		UX6	P
311A	287 130 000 0000	40	10	15	150	150	30	2.8		UX5	P
311SU	290 000 130 0000	00	31				60			B8A	R
324A	200 300 000 0000	90	5				5			UX4	R
328A	287 113 000 0000	40	7.5	3	150	150	5.5	1.8		UX6	P
329A	287 130 000 0000	40	7.5	15	150	150	37.5	3.3		UX5	P
329L	287 130 000 0000	40	7.5	15	150	150	37	3.3		UX5	P
332Pen	028 740 310 0000	00	33	8.5	200	200	45	8		A08	P
336A	287 413 000 0000	00	10	14	250	250	30	4.2		UX6	P
337A	287 113 000 0000	40	10	3	150	150	6.3	1.6		UX6	P
345A	29X 130 000 0000	00	6				60			UX5	RR
347A	020 800 310 0000	40	6	4.5	150		2.8	0.9		A08	T
349A	028 740 310 0000	00	6	14	250	250	30	4.2		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
350B	028 740 310 0000	00	6	20	400	250	85	6.2		A08	P
351A	029 0X0 310 0000	00	1				120			A08	RR
352A	289 X13 000 0000	40	10	6	100		2.1	0.6		UX6	DDT
354V	842 310 000 0000	00	4	4.5	250		6.5	3.6		B5	T
361A	243 780 000 0000	00	1.4		50	40	0.4	0.6		UX5	P
362A	243 780 000 0000	00	1.4		50	50	1.3	0.5		UX5	P
367A	080 724 310 0000	00	6	20	400	250	85	6.2		A08	P
373A	021 477 380 0000	00	2		150	150	2	1.3		A08	P
374A	021 407 380 0000	00	3		150	125	18	3		A08	P
375A	028 740 310 0000	00	20		40	40	12	4.7		A08	P
381A	120 090 300 0000	00	6.3				5			A08	D
383A	120 408 030 0000	00	6		150		7.5	2.8		A08	T
385A	127 040 130 0000	00	6		150		7.5	2.5		A08	P
387A	127 040 130 0000	00	6		150		5.6	4		A08	P
396A	214 808 513 0000	00	6.3	2.2	150		8.2	5.5		B9A	TT
401A	287 300 000 0000	00	5	9	50		1.4	0.8		UX4	T
402	284 300 000 0000	00	3	40	200		40	1		UX4	T
402-OT	007 231 800 0000	40	40	12	250	250	32	7		B7	P
402P	000 231 800 0000	40	4	15	200		27	5.5		B7	T
402Pen	007 231 800 0000	40	40	6.7	200	200	40	7		B7	P
402PenA	007 231 800 0000	40	40	9	150	150	56	8		B7	P
403A	413 287 100 0000	00	6	2.3	150	150	7	4.4		B7G	P
403B	412 387 100 0000	00	6.3		200	125	7.7	5.1		B7G	P
404A	402 108 073 0000	00	6.3		150	150	13.5	12.5		B9A	P
405BU	9X2 300 000 0000	00	4				15			B4	RR
406	842 300 000 0000	00	4		150		5.5	0.5		B4	T
407A	214 838 512 0000	00	20	2	150		8.2	5.5		B9A	TT
408A	412 387 100 0000	00	20	2	150	125	7.5	5		B7G	P
408BU	9X2 300 000 0000	00	4				15			B4	RR
409A	410 087 100 0000	00	6.3		150	125	5.2	3.2		B7G	P
410HF	842 300 000 0000	00	4	2.5	200		0.2	0.2		B4	T
410P	842 300 000 0000	00	4	16	250		12	1.8		B4	T
410PT	482 370 000 0000	00	4	1	100	150		2.5		B5	P
410RC	842 300 000 0000	00	4	2.5	200		0.2	0.2		B4	T
410SG	742 300 000 0000	80	4	1	200	100	4.5	0.9		B4	P
412BU	9X2 300 000 0000	00	4				30			B4	RR
412SU	902 300 000 0000	00	4				60			B4	R
415PT	842 370 000 0000	00	4	25	300	200	20	1.7		B5	P
415QT	842 370 000 0000	00	4	25	300	200	20	1.8		B5	P
415SP	842 300 000 0000	00	4	18	150		11	1.6		B4	T
417A	802 441 443 0000	00	6.3	1.5	150		25	25		B9A	T
420T	047 231 800 0000	00	4	4.4	250	250	40	10.5		B7	P
425PT	842 370 000 0000	00	4	17	250	150	12	1.3		B5	P
431U	9X2 300 000 0000	00	4				60			B4	RR
435A	402 108 073 0000	00	5	10	200	150	13	16.3		B9A	P
436A	211 403 708 0000	00	6.3	1.4	200	150	23	32		B9A	P
437A	304 002 118 0000	00	6	10	150		40			B9A	T
441U	9X2 300 000 0000	00	4				60			B4	RR
442BU	9X2 300 000 0000	00	4				60			B4	RR
446A/B	021 000 310 0000	84	6	3	250		15	4.5		A08	T
450	842 300 000 0000	00	4	55	250		50	3.5		B4	T
450	284 300 000 0000	00	7.5		400		55	2.1		UX4	T
450AC	742 310 000 0000	80	4		200	100	3.5	3		B5	P
451	9X2 300 000 0000	00	1.8							B4	RR
451PT	280 074 130 0000	00	45	9	200	200	54.5	9.5		B8A	P
451U	923 X00 000 0000	00	4				120			B4	RR
460BU	9X2 300 000 0000	00	4				60			B4	RR
482	284 300 000 0000	00	5	45	200		18	1.5		UX4	T
483	284 300 000 0000	00	5	60	250		30	1.7		UX4	T
484V	842 310 000 0000	00	4	2.5	200		0.2	1.2		B5	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
485	284 130 000 0000	00	3	9	200		5.8	1.4		UX5	T
486	028 040 300 0000	00	3	3	90		3	0.6		A08	T
500	9X2 300 000 0000	00	4				30			B4	RR
501	873 420 000 0000	00	1.4	0	40	40	1	0.8		B5A	P
502	873 420 000 0000	00	1.2	1.2	40	40	8.6	0.5		B5A	P
503	873 420 000 0000	00	1.2	2	40	40	0.8	0.5		B5A	P
505	873 420 0C0 0000	00	0.6	0	40	30	0.1	0.1		B5A	P
506	9X2 300 000 0000	00	4				30			B4	RR
506AX	873 420 000 0000	00	1.2	4.5	40	40	1.2	0.5		B5A	P
506K	9X2 300 000 0000	00	2				30			B4	RR
506KB	9X2 300 000 0000	00	4				30			B4	RR
507AX	287 438 200 0000	00	2		40	40	0.9	0.5		B7G	P
509	9X2 300 000 0000	00	2				60			B4	RR
509AX	834 200 000 0000	00	0.6		40		0.1	0.1		B5A	T
511D	9X2 300 000 0000	00	4				60			B4	RR
512AX	873 420 000 0000	00	0.6	0.6	20	20	0.1	0.1		B5A	P
515BX	834 200 000 0000	00	0.6		40		0.1	0.1		B5A	T
516AX	803 420 000 0000	00	0.6	0.6	22.5		0.1	0.2		B4A	T
518AX	873 420 000 0000	00	1.2	2	40	40	0.8	0.5		B5A	P
520AX	873 420 000 0000	00	0.6	2.5	40	40	0.2	0.1		B5A	P
521AX	873 420 000 0000	00	1.2	3	20	20	0.8	0.4		B5A	P
522AX	873 420 000 0000	00	1.2	0	20	20	0.3	0.4		B5A	P
523AX	873 420 000 0000	00	1.2	1.2	20	20	0.3	0.3		B5A	P
524AX	873 420 000 0000	00	1.2	1.7	12	12	0.4	0.3		B5A	P
525AX	873 420 000 0000	00	1.2	1.2	20	20	0.2	0.3		B5A	P
526AX	873 420 000 0000	00	1.2	1.5	20	20	0.4	0.4		B5A	P
527AX	873 420 000 0000	00	1.2	0	20	20	0.1	0.2		B5A	P
528AX	873 420 000 0000	00	1.2	0	20	20	0.3	0.4		B5A	P
529AX	873 420 000 0000	00	1.2	1.2	12	12	0.3	0.3		B5A	P
531DX	873 420 000 0000	00	1.2	1.5	12	12	0.3	0.3		B5A	P
532DX	873 420 000 0000	00	1.2	0	20	20	0.4	0.4		B5A	P
533DX	873 420 000 0000	00	1.2	0	20	20	0.3	0.4		B5A	P
535AX	873 420 000 0000	00	1.2	1.2	15		0.3	0.3		B5A	P
536AX	873 420 000 0000	00	1.2	0	20	20	0.3	0.4		B5A	P
537AX	873 420 000 0000	00	1.2	1.5	20	20	0.4	0.4		B5A	P
538A	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
539DX	873 420 000 0000	00	1.2	1.4	20	20	0.2	0.3		B5A	P
541DX	873 420 000 0000	00	1.2	0	30	30	0.2	0.4		B5A	P
542A	802 304 100 0000	00	6	2	250		10	5.5		B7G	T
542DX	873 420 000 0000	00	1.2	2	20	20	0.4	0.3		B5A	P
543	402 013 080 0000	00	6	2.5	200		9.5	3.8		B8D	T
544A	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
544DX	873 420 000 0000	00	1.2	0	30	30	0.1	0.3		B5A	P
546A	902 30X 100 0000	00	6				30			B7G	RR
546DX	873 420 000 0000	00	1.2	0	20	20	0.3	0.4		B5A	P
547A	120 417 380 0000	00	6	3	300	150	30	11		A08	P
547DX	873 420 000 0000	00	1.2	0	40	30	0.2	0.4		B5A	P
548DX	873 420 000 0000	00	1.2	1.4	20	20	0.2	0.3		B5A	P
549A	1X2 310 900 0000	00	6							B7G	DD
550A	581 481 230 0000	00	6	2	250		2.3	1.6		A08	TT
553AXA	872 430 000 0000	00	1.2	0	20	20	0.4	0.5		B5A	P
559	021 010 030 0000	90					5			A08	R
568AX	803 420 000 0000	00	1.2	5.5	135		1.9	0.6		B4A	T
569AX	872 430 000 0000	00	1.2		60	60	1.8	1.1		B5A	P
573AX	824 300 000 0000	00	1.2	4	90		11	2		B5	T
574AX	873 420 000 0000	00	0.6	0.6	20	20	0.1	0.1		B5A	P
578	901 23X 148 0000	00	4.7	3	250		1	1.2		B9A	DDDT
605	842 300 000 0000	00	4	6	150		10	1.4		B4	T
608CX	823 410 000 0000	00	6.3	2	150		9	5		B5A	T
612BU	9X2 300 000 0000	00	6				30			B4	RR
615	842 300 000 0000	00	5	41	150		4	1.4		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
619CX	823 410 000 0000	00	6.3	2	250		4	4		B5A	T
620T	842 300 000 0000	00	6	99	400		62	2.3		B4	T
635GTX	028 040 310 0000	00	6	20	350		20			A08	T
660	842 300 000 0000	00	6	100	400		120	2.3		B4	T
660T	842 300 000 0000	00	6	1	100			7.4		B4	T
680XP	842 300 000 0000	00	6	100	400		3.5	1.1		B4	T
713A	021 417 380 0000	00	6	2	150	125	7.5	4		A08	P
717A	021 417 380 0000	00	6	2	150	125	7.5	4		A08	P
731A	412 387 100 0000	00	6.3	2	120	120	7.5	5		B7G	P
801	384 200 000 0000	00	7.5	15	400		60	2.5		UX4	T
802	207 411 300 0000	80	6	18	400	250	30	2.2		UX7	P
805	842 300 000 0000	00	6	6	150		10	1.4		B4	T
807	274 130 000 0000	80	6	12.5	400	250	83	6.5		UX5	P
816	200 300 000 0000	90	2.5				120			UX4	R
825	842 300 000 0000	00	6		150		6	1.4		B4	T
825BU	9X2 300 000 0000	00	7.5				60			B4	RR
829B	{ 247 135 200 0000	08	6.3		150	125	30	3.5		B7A	PP
	{ 247 135 200 0000	80									
832	{ 247 135 200 0000	80	6.3		150	125	30	3.5		B7A	PP
	{ 247 135 200 0000	08									
836	200 000 300 0000	90	2.5				120			B7G	R
837	207 411 300 0000	00	12.6	40	400	150	45			UX7	P
840	274 130 000 0000	80	2	3	200	75	1	0.4		UX5	P
841	284 300 000 0000	00	7.5	1	100			0.7		UX4	T
842	284 130 000 0000	00	7.5	100	400		25	1.2		UX5	T
843	284 130 000 0000	00	2.5	25	350		25	1.7		UX5	T
864	384 200 000 0000	00	1.1	4.5	90		2.9	0.6		LX4	T
871	200 300 000 0000	90	2.5				120			UX4	R
879	200 300 000 0000	90	2.5				6			UX4	R
884	028 040 310 0000	00	6		300		55	4kΩ		A08	THY
885	284 130 000 0000	00	2.5		300		55	4kΩ		UX5	THY
904V	842 310 000 0000	00	4	2	200		2	2		B5	T
950	041 230 700 0000	80	2	16.5	200	150	7	0.9		B7	P
951	287 300 000 0000	40	2	3	200	60	1.7	0.6		UX4	P
952F	299 310 000 0000	00	6.3							5AA	D
954	213 174 000 0000	80	6.3	3	250	100	2	1.4		7AA	P
955	284 310 000 0000	00	6.3	7	250		6.3	2.2		5AA	T
956	213 174 000 0000	80	6	3	250	100	6.7	1.8		7AA	P
957	322 480 000 0000	00	1.2	5	150		2	0.6		5AA	T
958	384 220 000 0000	00	1.2	7.5	135		3	1.2		5AA	T
958A	322 480 000 0000	00	1.2	20	150					5AA	T
959	322 174 000 0000	80	1.2	3	150	60	1.7	0.6		7AA	P
985	29X 130 000 0000	00	5				30			UX5	RR
986	29X 300 000 0000	00	5				60			UX4	RR
994V	842 310 000 0000	00	4	0.5	100			3.6		B5	T
1002	902 300 000 0000	00	1.8				60			B4	R
1005	009 0X2 030 0000	00	6.3				30			A08	RR
1006	29X 300 000 0000	00	1.7				120			UX4	RR
1007	009 0X0 230 0000	00	1.0				60			A08	RR
1012	29X 300 000 0000	00	1.7				120			UX4	RR
1028	202 322 200 0000	90	6				60			B7G	R
1103	90X 231 800 0000	40	13	2	250		1.5	1.5		B7	DDT
1130	9X2 300 000 0000	00	1.8							B4	DD
1201	428 141 830 0000	00	6	3	200		5.5	3		B8B	T
1201	9X2 300 000 0000	00	2.5				30			B4	DD
1203	200 900 130 0000	00	6							B8B	D
1204	728 141 310 0000	00	6	2	250	100	1.7	1.2		B8B	P
1206	287 451 830 0000	00	6	2.5	250	100	4.5	2.1		B8B	PP
1216	882 345 100 0000	00	6.3	2.3	100		4.8	3.4		B7G	TT
1217	412 387 100 0000	00	6.3	4	75	75		1.7		B7G	H
1221	187 113 000 0000	40	6	3	250	100	2	1.2		UX6	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
1222	287 403 100 0000	00	6.3	18	350	250	54	5.2		A08	P
1223	028 710 310 0000	40	6	3	250	100	2	1.2		A08	P
1229	287 300 000 0000	40	2	3	150	75	1.7	0.6		UX4	P
1230	284 300 000 0000	00	2	9	150		3			UX4	T
1231	287 104 130 0000	00	6	30	300	200	13	6.3		B8B	P
1232	287 114 130 0000	00	6	2	250	100	6	4.5		B8B	P
1236A	333 992 220 0000	00	2							A08	D
1238	257 881 430 0000	00	28	3.5	40	30	12.5	3.4		B8B	PP
1247	000 230 000 0000	90	0.6							B8A	D
1273	287 104 130 0000	00	6	3	250	100	2.2	1.5		B8B	P
1274	029 0X0 310 0000	00	6				30			A08	RR
1275	29X 300 000 0000	00	5				120			UX4	RR
1276	284 300 000 0000	00	4.3	45	250		60	5.2		UX4	T
1280	287 104 130 0000	00	12.5	3	250	100	2.2	1.5		B8B	P
1282	287 114 130 0000	00	6	2	300	150	10	5.8		B8B	P
1288	384 250 830 0000	00	1.4		90		5.2	1.8		A08	TT
1291	284 305 820 0000	00	1.4		90		5.2	1.8		A08	TT
1292	384 205 830 0000	00	1.4		90		5.2	1.8		A08	TT
1293	280 084 030 0000	00	1.4		90		4.7	1.3		B8B	T
1294	200 900 130 0000	00	1.4							A08	D
1299	387 004 230 0000	00	1.4	4.5	150	90	10.2	2.4		B8B	P
1560	29X 300 000 0000	00	5				60			UX4	RR
1560	9X2 300 000 0000	00	5				60			B4	RR
1561	9X2 300 000 0000	00	4				60			B4	RR
1562	290 300 000 0000	00	7.5				120			UX4	R
1602	284 300 000 0000	00	7.5	23.5	250		10	1.3		UX4	T
1603	287 113 000 0000	40	6	3	250	100	2	1.2		UX6	P
1608	284 300 000 0000	00	2.5	90	400		95			UX4	T
1609	384 720 000 0000	00	1.1	1.5	150	75	2.5	0.7		UX5	P
1610	284 730 000 0000	00	2.5	16.5	250	250	31	2.5		UX5	P
1611	028 740 310 0000	00	6	16.5	250	250	34	2.5		A08	P
1612	028 740 310 0000	40	6	3	250	100	5.3	1.1		A08	H
1613	028 740 310 0000	00	6	16.5	250	250	34	2.5		A08	P
1614	028 740 310 0000	00	6	18	350	250	54	5.2		A08	P
1616	200 300 000 0000	90	2.5				120			UX4	R
1619	028 740 310 0000	00	2.5	10	300	250	45	4.5		A08	P
1620	028 710 310 0000	40	6	3	250	100	2	1.2		A08	P
1621	028 740 310 0000	00	6	16.5	250	250	34	3.5		A08	P
1622	028 740 310 0000	00	6	18	350	250	54	5.2		A08	P
1624	207 401 300 0000	80	2.5	10	300	250	45	4.5		UX7	P
1625	207 401 300 0000	80	12	12.5	400	250	83	6.5		UX7	P
1626	028 040 310 0000	00	12.5	32	250		20	2.1	Ra=1MΩ	A08	T
1629	028 740 310 0000	00	12.5	8	250	250	0.2			A08	TI
1631	028 740 310 0000	00	12.5	18	350	250	54	5.2		A08	P
1632	028 740 310 0000	00	12.5	8	200	100	50	9.5		A08	P
1633	581 481 230 0000	00	25	8	250		11.5	2.6		A08	TI
1634	085 481 230 0000	00	12.5	2	250		2	1.3		A08	TT
1635	028 548 310 0000	00	6	0	300		3.5	0.9		A08	TT
1637	028 700 310 0000	40	6	18	250	250	32	3.8		A08	P
1638	02X 190 310 0000	00	6							A08	DD
1639	028 9X0 310 0000	40	6	5.5	250		5	2		A08	DDT
1641	200 300 000 0000	9X	5				120			UX4	RR
1641/RK60	200 300 000 0000	9X	5				15			UX4	RR
1642	218 481 300 0000	50	6	16.5	250		8.3	1.4		UX7	TT
1644	514 872 380 0000	00	12.5	9	200	200	13	2.1		A08	PP
1649	021 417 380 0000	00	6	2	300	150	10	9		A08	P
1654	200 000 300 0000	90	1.4							B7G	D
1655	085 481 230 0000	00	6	2	250		2	1.3		A08	TT
1659	289 X13 000 0000	40	2.5	2	250		0.9	1.1		UX6	DDT
1662	384 728 300 0000	00	1.4	8.4	150	90	13.3	1.9		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
1664	028 X97 310 0000	40	2.5	3	250	125	10	1.3			
1701	9X2 300 000 0000	00	1.8				120			A08	DDP
1801	9X2 300 000 0000	00	4				15			B4	RR
1805	9X2 300 000 0000	00	4				30			B4	RR
1807	9X2 300 000 0000	00	4				30			B4	RR
1810	003 200 000 0000	90	4				30				
1815	9X2 300 000 0000	00	4				60			B4	R
1817	9X2 300 000 0000	00	4				120			B4	RR
1821	9X2 300 000 0000	00	4				30			B4	RR
1823	9X2 300 000 0000	00	4				30			B4	RR
1831	9X2 300 000 0000	00	4				30				
1832	092 300 000 0000	00	4				120			B4	RR
1851	028 710 310 0000	40	6	2	300	150	10	9		B4	R
1852	021 417 380 0000	00	6	2	300	150	10	9		A08	P
1853	021 417 380 0000	00	6	3	300	200	12.5	5		A08	P
1853GT	028 710 310 0000	40	6.3	3	300	200	12.5	5			
1861	9X2 300 000 0000	00	4				60			A08	P
1867	39X 200 000 0000	00	4				60			B4	RR
1868	023 190 0X0 0000	00	4				60			UX4	RR
1875	023 000 000 0000	90	4				5			F8	RR
1876	123 000 090 0000	00	4				5			8SC	R
1877	002 300 000 0000	90	4				3				
1881	9X2 300 000 0000	00	4				30			B4	R
1882	023 090 0X0 0000	00	5				60			B4	RR
1883	023 090 0X0 0000	00	5				60			8SC	RR
1884	120 XD9 030 0000	00	2.5				15				
2051	028 041 310 0000	00	6		250		75	3kΩ		A08	RR
2101	284 730 000 0000	00	2	4.5	150	150	8	1.7		A08	THY
2102	289 X73 000 0000	00	2	1	100		2.5	1.3		UX5	P
2103	285 748 300 0000	00	2	7.5	150	150	4	1.5		UX6	DDT
2151	287 413 000 0000	00	14	31	250	250	47	2.7		UX7	PP
2318	9X2 300 000 0000	00	4				30			UX6	P
2506	9X2 300 000 0000	00	4				15			B4	RR
3006	902 300 000 0000	00	4							B4	RR
3041	872 430 000 0000	00	1.2	1	20	20	0.2	0.3		B4	D
3074A	{ 205 140 300 0000	08	6		300		50	3		UX7	TT
3075A	205 140 300 0000	80									
3310A	002 300 000 0000	90	2							B4	D
3311A	287 113 000 0000	40	10		250	150	5.6	2		UX6	P
3328A	287 113 000 0000	40	10		200	150	33	3		UX6	P
3329A	287 113 000 0000	40	7.5		250	150	5.6	1.9		UX6	P
3481	287 113 000 0000	40	7.5		200	125	31	2.9		UX6	P
3720	028 710 310 0000	40	6	13.5	150	150	5.5	1.8		UX6	P
3872	384 200 000 0000	00	5	1.5	200		0.2	0.2		A08	P
3873	384 200 000 0000	00	2	9	150		3			UX4	T
3921	387 200 000 0000	40	2	3	150	75	1.5	0.6		UX4	P
4019A	284 300 000 0000	00	2.5	50	250		34	2.1		UX4	T
4019B	287 130 000 0000	40	2.5	3	200	90	4	1		UX5	P
4020A	284 300 000 0000	00	4		200		9.7	1.3		UX4	T
4020B	842 300 000 0000	00	4	4	100		7.5	1.2		B4	T
4021A	284 300 000 0000	00	2	2	150		1.2	0.6		UX4	T
4021B	842 300 000 0000	00	2								
4022AR	284 300 000 0000	00	2								
4022B	842 300 000 0000	00	2								
4033	284 130 000 0000	00	2	2	150		1.2	0.6		B4	T
4033A	284 300 000 0000	00	4	10	150		32.5	3		UX4	T
4033L	842 300 000 0000	00	4	8	150		23	3		B4	T
4037A	284 300 000 0000	00	4	6	200		16.2	2.2		UX4	T
4045A	842 300 000 0000	00	4	6	200		16.2	2.2		B4	T
4033	284 130 000 0000	00	6	20	400		50	9		UX5	T
4033A	842 310 000 0000	00	6	20	400		50	9		B5	T
4033L	842 310 000 0000	00	6	20	400		60	10		B5	T
4037A	902 300 000 0000	00	4				120			B4	R
4045A	842 370 000 0000	00	5	70	250	60	43	1.3		B5	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
4061A	205 411 300 0000	80	6	10	400	200	50	2.5		B7	P
4074A	205 140 300 0000	88	6	13	300		15	3		UX7	TT
4077A	003 200 000 0000	90	5	5			120			B4	R
4264A	384 200 000 0000	00	1.5		100			6.3		UX4	T
4274A	29X 300 000 0000	00	5				120			UX4	RR
4300A	384 200 000 0000	00	5	90	400		50			UX4	T
4310A	287 113 000 0000	40	10	5.5	250	150	5.2	2		UX6	P
4328A	287 113 000 0000	40	7.5	5.5	250	175		2		UX6	T
4328D	028 710 310 0000	40	7.5	5.5	250	150	5.2	2		AO8	T
4605	284 130 000 0000	00	1.8	6	220		4			UX5	T
4606	423 800 000 0000	00	4.5	9	130		8.5	1		UX4	T
4607	423 800 000 0000	00	2.1	1.6	130		0.7	0.5		UX4	T
4608	842 310 000 0000	00	4	6	150		11	2.5		B5	T
4609	423 800 000 0000	00	4.2	5	130		8	2.3		UX4	T
4610	742 310 000 0000	80	4	1.3	200	100	1.5	0.9		B5	P
4611	384 200 000 0000	00	6	40	200		20	1.7		UX4	T
4611	842 300 000 0000	00	6	40	200		20	1.7		B4	T
4612	842 300 000 0000	00	4	40	250		40	2.7		B4	T
4613	842 300 000 0000	00	4	22	250		48	3.5		B4	T
4614	842 310 000 0000	00	4	16	200		12	1.3		B5	T
4617	423 800 000 0000	00	4	0.8	130		25	3		UX4	T
4618	742 310 000 0000	80	4	2	200	100	3	2.2		B5	P
4619	9X2 300 000 0000	00	4				30			B4	RR
4623	123 000 000 0000	90	6.3				5			B3G	D
4630	423 800 000 0000	00	4.2	8.4	180		8.5	1.3		UX4	T
4631	284 300 000 0000	00	2	1.5	150		0.7			UX4	T
4635	842 310 000 0000	00	4	16	200		12	1.3		B5	T
4636	742 310 000 0000	80	4	2	200	100	3	2.3		B5	P
4650	842 370 000 0000	00	4	63	300	300	30			B5	P
4651	023 190 0X0 0000	00	6.3				60			F8	RR
4652	9X2 300 000 0000	00	4				60			B4	RR
4654	411 230 070 0000	80	6	14	250	275	72	8.5		8SC	P
4654X	023 114 700 0000	80	6	12.5	250	275	72	8.5		8SC	P
4654P	411 230 070 0000	80	6	14	250	275	72	8.5		8SC	P
4655	482 300 000 0000	00	4.5				60			B4	RR
4657	842 310 000 0000	00	4	1.5	200		1	2.2		B5	T
4670	532 784 780 0000	00	2	8.5	90	90	1			8SC	FP
4671	284 310 000 0000	00	6.3	5	200		4.5	2		5AA	T
4672	713 100 000 0000	84	6.3	3	90	90	1.2	1.1		5AA	P
4673	023 110 780 0000	40	4	4	250	200	8	5		8SC	P
4673	842 310 000 0000	40	4	2.5	250	200	8	5		B5	P
4675	284 310 000 0000	00	4	5	200		4.5	2		5AA	T
4676	271 310 000 0000	84	4	3	250	100	2	1.4		5AA	P
4677	023 104 780 0000	00	4		250		0.12			8SC	TI
4678	023 104 780 0000	00	6.3	5	250	250	0.1		Ra=2MΩ	8SC	TI
4679	023 110 560 0000	00	6	2.5	250	200	8	5		8SC	P
4682	023 100 780 0000	40	4		375	250	24			8SC	P
4683	023 004 080 0000	00	4		350		43			8SC	T
4684	023 104 780 0000	00	4		400	250	24			8SC	P
4688	023 104 780 0000	00	4		400	275	48			8SC	P
4689	028 740 310 0000	00	6.3		400	275	48			AO8	P
4689	023 104 780 0000	00	6		400	275	48			8SC	P
4694	023 104 780 0000	00	6	7.5	400	250	24	8		8SC	P
4695	271 310 000 0000	84	6.3	3	250	100	6.7	1.7		5AA	P
4696	023 190 780 0000	40	6.3	2.5	250	150	8	14		F8	DP
4699	023 104 780 0000	00	5	12.5	300	300	55	13		8SC	P
5222	402 813 080 0000	00	6.3	1	100		0.7	1.7		B8D	T
5516	237 242 300 0000	80	3	14	400	250	75	4		AO8	P
5556	284 300 000 0000	00	4.5	30	350		9	0.9		UX4	T
5590	412 387 100 0000	00	6	4.5	90	90	3.9	2		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
5591	412 387 100 0000	00	6	1.9	200	125	7.7	5		B7G	P
5603	021 417 380 0000	00	6	12.5	150	150	50	5.4		A08	P
5608	412 387 100 0000	00	6	12	150	125	7.5	5		B7G	P
5610	812 384 000 0000	00	6	1.5	90		17	4		B7G	T
5618	287 134 200 0000	00	3	8	300	75	19	3.5		B7G	P
5635	452 083 810 0000	00	6	0.5	100		4.8			B8B	TT
5636	412 183 710 0000	00	6	1.4	100	100	5.3	3.3		B8D	P
5637	402 013 080 0000	00	6		100		1.4	2.7		B8B	P
5639	412 183 710 0000	00	6	2.6	150	100	21	9		B8D	P
5640	412 183 710 0000	00	6	6	100	100	31	5		B8B	P
5641	092 913 090 0000	00	6				30			B8D	R
5642	023 000 000 0000	90	1.2							B3G	D
5643	812 113 410 0000	00	6.3		400		75	5kΩ		B8D	THY
5645	812 430 000 0000	00	6.3	2.8	100		5	2.7		B5B	T
5646	812 430 000 0000	00	6.3	1.1	100		1.4	2.4		B5B	T
5647	391 290 000 0000	00	6				5.0			B5A	D
5654	412 387 100 0000	00	6	2	150	125	7.5	5		B7G	P
5656	754 231 881 0000	00	6.3		150	150	15	5.8		B9A	PP
5659	028 740 310 0000	00	12.5	12.5	250	250	32			A08	P
5660	028 9X7 310 0000	40	12.5	3	250	125	10	1.3		A08	DDF
5661	021 417 380 0000	00	12.5	0.4	250	100	9.2	2		A08	P
5670	214 808 513 0000	00	6	2	150		8.2	5.5		B9A	TT
5672	873 420 000 0000	00	1.2	6.5	60	60	3.1	0.6		B5A	P
5676	824 300 000 0000	00	1.2	5	150		4	1.6		B5A	T
5677	834 200 000 0000	00	1.2	6	150		1.9	0.6		B5A	T
5678	872 430 000 0000	00	1.2	0	60	60	1.8	1		B5A	P
5679	219 30X 120 0000	00	6				5			B8B	RR
5686	141 237 817 0000	00	6	12.5	250	250	27	3.1		B9A	P
5687	841 221 538 0000	00	6	12.5	250		12.5	4.1		B9A	TT
5690	239 1X2 310 0000	00	6				20			A08	RR
5691	581 481 230 0000	00	6	2	250		2.3	1.6		A08	TT
5692	581 481 230 0000	00	6	9	250		6.5	2.2		A08	TT
5693	021 417 380 0000	00	6	3	250	100	3	1.6		A08	P
5694	128 458 310 0000	00	6	6	300		7	3.2		A08	TT
5702	872 311 400 0000	00	6.3	2	150	115	7.5	5		B7G	P
5703	823 410 000 0000	00	6.3	2	150		9	5		B5A	T
5704	923 100 000 0000	00	6.3				5			B5A	R
5718	402 013 080 0000	00	6	2	100		13	5.5		B8D	T
5719	402 013 080 0000	00	6	1.3	150		1.8	2.3		B8B	T
5722	902 209 300 0000	00	3							B7G	D
5725	412 387 100 0000	00	6	2	150	125	5.2	3.2		B7G	P
5726	1X2 310 900 0000	00	6.3				5			B7G	RR
5732	028 710 310 0000	40	6	3	150	100	8	2.2		A08	P
5741	823 410 000 0000	00	6.3	2	250		4	4		B5A	T
5749	412 387 100 0000	00	6	1	250	100	11	4.4		B7G	P
5750	412 388 400 0000	00	6	2	100		11	7		B7G	H
5751	851 228 413 0000	00	6	3	250		1	1.2		B9A	TT
5755	581 481 230 0000	00	6	2	250		2.3	1.6		A08	TT
5763	801 237 144 0000	00	6	7.5	250	250	45	7		B9A	P
5784	872 311 400 0000	00	6.3	2	150	125	5.2	3.2		B7G	P
5785	923 000 000 0000	00	1.2							B3G	D
5797	111 237 800 0000	00	26.5	1	30	30	0.5	1		B8D	P
5798	851 231 480 0000	00	26	0	20		2.3	3.1		B8D	TT
5812	413 387 200 0000	00	3	23	250	250	40	4.1		B7G	P
5814	851 228 413 0000	00	6	8.5	250		10.5	2.2		B9A	TT
5824	028 740 310 0000	00	25	22	150	125	61	5		A08	P
5825	200 300 000 0000	90	1.5							1X4	D
5838	029 0X0 310 0000	00	12				30			B8A	RR
5839	029 0X0 310 0000	00	26.5				180			A08	RR
5840	412 183 710 0000	00	6	1.4	100	100	7	5		B8D	P
5842	802 441 443 0000	00	6	1.5	150		26	2.1		B9A	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
5844	882 345 100 0000	00	6	2.3	100		4.8	3.4		B7G	TT
5845	902 2X0 300 0000	00	6							B7G	DD
5847	402 108 073 0000	00	6	2	150	150	13	12.5		B9A	P
5851	208 007 340 0000	00	2.5	7.5	150	125	5.5	1.6		B8B	P
5852	029 0X0 310 0000	00	6				30			A08	RR
5854	873 420 000 0000	00	1.2	2	40	40	0.8	0.5		B5A	P
5871	028 740 310 0000	00	6.3	12.5	250	250	45	4.5		A08	P
5873	284 115 830 0000	00	6	3	150		9	2.9		B8B	TT
5875	872 430 000 0000	00	1.2		90	90	3.5	2.5		B5A	P
5879	401 230 781 0000	00	6	3	250	100	1.8	1		B9A	P
5881	028 740 310 0000	00	6	12.5	300	200	48	5.3		A08	P
5882	029 0X0 310 0000	00	12.6				30			A08	RR
5894	257 134 200 0000	08	6		400	250	30	3.4		B7A	PP
5896	257 134 200 0000	80									
5896	912 0X3 100 0000	00	6				15			B8B	RR
5897	402 013 080 0000	00	6	2.3	150		14	6.5		B8A	T
5898	402 013 080 0000	00	6	2	150		1.8	2.3		B8A	T
5899	412 183 710 0000	00	6	1.4	100	100	7.2	4.5		B8D	P
5900	412 183 710 0000	00	6		100	100	7.2	4.5		B8A	P
5901	412 183 710 0000	00	6	1.5	100	100	7.5	5		B8A	P
5902	412 183 710 0000	00	6	6.5	100	100	30	4.2		B8A	P
5903	912 0X3 100 0000	00	26				5			B8B	RR
5904	402 013 080 0000	00	26	0	20			5		B8D	T
5905	412 183 710 0000	00	26		20	20	2.3	2.8		B8A	P
5906	412 183 710 0000	00	26	1.5	100	100	7.5	5		A08	P
5907	412 183 710 0000	00	26		20	20	2.7	3		B8A	P
5908	412 183 710 0000	00	26		20	20	2.3	1.7		B8A	P
5910	287 024 300 0000	00	1.4		90	90	1.6	0.9		B7G	P
5915	412 387 100 0000	00	6		75	75	6.3	2		B7G	H
5916	412 183 710 0000	00	26		100	100	4.4	1.3		B8A	P
5920	882 345 100 0000	00	6	2.1	100		8.5	6		B7G	TT
5930	284 300 000 0000	00	2.5	45	250		60	5.2		UX4	T
5931	020 90X 030 0000	00	5				120			A08	RR
5932	028 740 310 0000	00	6	14	250	250	72	6		A08	P
5933	374 120 000 0000	80	6	14	300	250	83	6.5		UX5	P
5947	222 933 390 0000	00	4.4							A08	D
5961	128 741 340 0000	00	6		250	100				A08	H
5963	851 228 413 0000	00	6	2	75		3.5	2		B9A	TT
5964	882 345 100 0000	00	6	1	100		9.5	6		B7G	TT
5965	851 228 413 0000	00	6	1.8	150		8.2	6.5		B9A	TT
5967	824 335 280 0000	00	1.2		40		3	2		B8B	TT
5968	240 880 530 0000	00	1.2		40		0.7	1.3		B8B	TT
5969	247 887 530 0000	00	1.2	3	125	40	6	1.7		B8B	PP
5970	247 887 530 0000	00	1.2		40	40	3	1.8		B8D	PP
5971	842 430 000 0000	00	1.2	2.5	150		5.6	2.5		B5A	T
5972	872 430 000 0000	00	1.2		60	60	2.5	1.3		B5A	P
5975	814 230 000 0000	00	6.3		200		12	4		B5A	T
5977	402 013 080 0000	00	6	2.7	100		10	4.5		B8B	T
5987	482 813 080 0000	00	6	18	100		9	1.8		B8B	T
5992	028 740 310 0000	00	6	12.5	250	250	45	4.1		A08	P
5993	902 010 30X 0000	00	6				30			B9A	RR
5995	902 310 000 0000	00	6.3				30			B5A	R
5998	481 581 230 0000	00	6	14	125	90	14			A08	TT
6004	020 000 030 0000	9X	2.5				60			A08	RR
6005	412 387 400 0000	00	6	12.5	250	250	45	4		B7G	P
6006	021 417 380 0000	00	6	14	250	125	11	4.7		A08	P
6007	873 420 000 0000	00	1.2	0.2	20	20	0.4	0.4		B5A	P
6008	873 420 000 0000	00	0.6	1.1	20	20	0.5	0.1		B5A	P
6021	842 113 580 0000	00	6	1.0	100		6.5	5.4		B8D	TT
6026	001 230 480 0000	00	6	2.6	150		12	5.9		B8B	T
6028	412 387 100 0000	00	20	1.8	150	125	7.5	5		B7G	P
6029	824 300 000 0000	00	1.2	4	90		11	2		B5A	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
φ 6030	882 345 100 0000	00	6	{ 3	150		5	4.5			
6042	481 581 230 0000	00	25	{ 0.8	100		8.5	5.8			
6045	882 345 100 0000	00	6	8	250		9	2.6		B7G	TT
6046	028 740 310 0000	00	25	0.5	100		9	6.4		A08	TT
6049	412 183 710 0000	00	6.3	8.2	200	125	46	8		B7G	TT
				1.5	100	100	7.4	3.5		A08	P
										B8A	P
6050	824 300 000 0000	00	1.2	5	150		4	1.6			
6051	872 430 000 0000	00	1.2	4	40	40	3	1.2		B5A	T
6052	912 0X 100 0000	00	6				30			B5A	P
6053	912 0X3 100 0000	00	26				5			B8B	RR
6055	402 013 080 0000	00	26		40			4.7		B8B	DD
										B8D	T
6056	412 183 710 0000	00	26		40	40		3		B8D	P
6057	851 228 413 0000	00	6	2	250		1.2	1.6		B9A	TT
6058	1X2 310 900 0000	00	6							B7G	DD
6059	041 230 871 0000	00	6	3	250	100	2	1.2		B9A	P
6060	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
6061	041 230 871 0000	00	6	13	300	225	34	3.7		B9A	P
6062	801 237 144 0000	00	6	7.5	250	250	45	7		B9A	P
6063	902 30X 100 0000	00	6				30			B7G	RR
6064	412 381 700 0000	00	6	{ 2	250	250	10	7.5			
6065	412 381 700 0000	00	6	{ 1.5	200	150	4	6.4		B7G	P
				2.5	250	250	8	2.5		B7G	P
6066	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
6067	851 228 413 0000	00	6	8.5	250		10.5	2.2		B9A	TT
6068	021 040 370 0000	80	6.3	8	400	150	36	5.3		A08	P
6072	851 228 413 0000	00	6	4	250		3	1.7		B9A	TT
6080	{ 501 481 230 0000	00	{ 6	30	100					A08	TT
	581 401 230 0000	00									
6082	{ 501 481 230 0000	00	{ 26.5	30	100		100	7		A08	TT
	581 401 230 0000	00									
6084	701 238 014 0000	00	6	2	250	125	10	9		B9A	P
6085	841 228 513 0000	00	6	5.5	250		6	2.7		B9A	TT
6086	741 238 001 0000	00	18	1.8	200	100	8.3	8.2		B9A	P
6087	020 90X 030 0000	00	6				60			A08	RR
6088	873 420 000 0000	00	1.2	1.2	40	40	0.7	0.6		B5A	P
6092	873 420 000 0000	00	1.2	6.5	60	60	2.9	0.7		B5A	P
6094	472 834 718 0000	00	6	12.5	250	250	45	6		B9A	P
6095	412 387 400 0000	00		12.5	250	250	45	4.1		B7G	P
6096	412 387 100 0000	00	6	2	150	125	7.5	5		B7G	P
6097	1X2 310 900 0000	00	6							B7G	DD
6098	108 072 430 0000	00	6			250	77	5.4		A08	P
6099	882 345 100 0000	00	6	{ 3	150		5	4.5			
				{ 0.8	100		8.5	5.3		B7G	TT
6100	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
6101	882 345 100 0000	00	6	2	150		9	5.5		B7G	TT
6106	020 90X 030 0000	00	5				60			A08	RR
6110	912 0X3 100 0000	00	6				5			B8B	RR
6111	842 113 580 0000	00	6	1.9	100		8.5	5		B8B	TT
6112	842 113 580 0000	00	6	1.4	150		1.7	2.5		A08	TT
6113	841 581 230 0000	00	6	3	250		3	1.7		A08	TT
6118	028 9X0 310 0000	00	6	3	250		1.0	1.2		A08	DDT
6125	902 394 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
6132	041 230 871 0000	00	6	4.5	250	250	40	11		B9A	P
6134	021 417 380 0000	00	6	2	300	150	10	9		A08	P
6135	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
6136	412 387 100 0000	00	6	1	250	150	10.6	5.2		B7G	P
6137	021 417 380 0000	00	6	3	250	100	9.2	2		A08	P
6145	287 104 130 0000	00	5		150	100	34	10		B7G	P
6146	127 141 310 0000	80	6	28	200	200	100	7		A08	P
6147	208 037 240 0000	00	1.2	7.5	150	125	5.5	1.6		B8B	P
6149	823 410 000 0000	00	6.3		150		9	5		B5A	T
6151	823 410 000 0000	00	6.3		250		4	4		B5A	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{B1}	V _a	V _{B2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6152	814 230 000 0000	00	6.3		200		12	4		B5A	T
6153T	023 184 780 0000	50	6	2	100		16	5		8SC	TH
6156	412 380 700 0000	00	6	13.5	250	100	12	3.5		B7G	P
6157	001 230 000 0000	90	6				120			B9A	R
6158	851 228 413 0000	00	6	4.6	250		6	2.3		B9A	TT
6159	127 141 310 0000	80	26	30	200	200	100	7		A08	P
6169	842 113 840 0000	00	6	1	200		11	6.5		A08	T
6180	481 581 230 0000	00	6	8	250		9	2.6		A08	TT
6186	412 387 100 0000	00	6	2.4	250	150	7	5		B7G	P
6187	412 387 100 0000	00	6	2	150	125	5.2	3.2		B7G	P
6188	481 581 230 0000	00	6	2	250		2.3	1.6		A08	TT
6189	841 228 513 0000	00	6	8.5	250		10.5	2.2		B9A	TT
6197	147 238 174 0000	00	6	3	250	150	30	11		B9A	P
6201	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
6202	902 30X 100 0000	00	6				60			B7G	RR
6203	900 230 10X 0000	00	6							B9A	RR
6205	412 183 710 0000	00	6	4	100	100	7.5	5		B8D	P
6206	412 183 710 0000	00	6.3	1.3	100	100	7.5	5		B8A	P
6211	851 228 413 0000	00	6	1.2	100		4.6	3.6		B9A	TT
6216	841 238 710 0000	00	6	6	200	100	47	8.7		B9A	P
6222	402 813 090 0000	00	6.3	1	100		0.7	1.7		B8D	T
6227	041 230 871 0000	00	6	5.2	200	200	30	9		B9A	P
6245	872 311 400 0000	00	6.3		150	150	7.5	5.0		B7G	P
6247	442 813 000 0000	80	6	3	200		4	3		B7G	T
6252	257 134 200 0000	88	6.3	17	400	200	20	6.5		B7A	PP
6265	412 387 100 0000	00	6	1	250	150	9	4		B7G	P
6267	701 238 014 0000	00	6	1.0	250	100	3.0	1.8		B9A	P
6281	873 420 000 0000	00	6	0.5	20	20				B5A	P
6286	824 300 000 0000	00	1.2	2	60		6	2.1		B5A	T
6287	178 238 748 0000	00	6	12.5	250	250	48	4.1		B9A	P
6293	127 141 300 0000	80	6		200	200	100	7.3		A08	P
6302	287 113 000 0000	40	6	2.2	300	150	11	9		UX6	P
6305	112 311 100 0000	90	4				5			B7G	R
6325	109 0X0 230 0000	00	6				60			A08	RR
6327	121 040 370 0000	00	6	22.5	250	250	120	8		A08	P
6336A	581 481 230 0000	00	6.3	60	200		75	5		A08	TT
6350	814 228 153 0000	00	6	5	150		11	4.6		B9A	TT
6351	141 321 877 0000	00	6	2	350	250	12.5	11.5		B9A	P
6352	200 392 X30 0000	00	1.5							B8A	D
6355	028 014 370 0000	00	6.3	15	250	250	70	7.6		A08	P
6360	514 228 783 0000	00	6.3	15	200	200	30	3.3		B9A	PP
6374	001 230 009 0000	90	6				120			B9A	R
6375	400 230 080 0000	00	1.2	4.5	150		12.0	3.4		B8D	T
6384	108 072 430 0000	00	6.3	22	250	250	77	5.5		A08	P
6385	214 808 513 0000	00	6	2.1	150		82	5.5		B9A	TT
6386	214 808 513 0000	00	6	2	100		9.6	4		B9A	TT
6394	481 581 230 0000	00	26.5	45	150		100	11		A08	TT
6397Spec	208 037 240 0000	00	1.2		150	150	9	2.3		B8D	P
6414	841 228 513 0000	00	6.3	2	200		8	5.5		B9A	TT
6417	801 237 144 0000	00	12.5	7.5	250	250	45	7		B9A	P
6418	872 430 000 0000	00	1.2	1.2	20	20	0.2	0.3		B5A	P
6443	001 230 000 0000	90	6				120			B9A	R
6463	814 228 153 0000	00	6	10	250		14.5	5.2		B9A	TT
6485	412 387 100 0000	00	6	1.6	300	150	10	9		B7G	P
6486/A	410 283 711 0000	00	6.3	2	150	125	3.5	3.2		B9A	P
6488	412 873 180 0000	00	6	2.0	100	100	7.5	5.0		B8D	P
6489	281 380 000 0000	00	6		100		8			SM5	T
6516	412 380 700 0000	00	6	13.5	250	250	16.0	2.6		B7G	P
6519	873 420 000 0000	00	1.2		22.5	22.5	0.4	0.4		B5A	P
6520	481 581 230 0000	00	6	60	150		50	7		A08	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6526	872 430 000 0000	00	1.2	6	100	100	6.5	1.9		B5A	P
6528	501 481 230 0000	00	6	20	200		90	15		A08	TT
6533	581 401 230 0000	00	6								
6535	844 812 380 0000	00	6		150		0.9	1.7		B8D	T
6542	882 345 100 0000	00	6	0.8	100		8.5	5.3		B7G	TT
	742 135 700 0000	88	6	2	200	200	50	4.5		B7A	PP
6550	028 740 310 0000	00	6	16.5	400	225	87	9		A08	P
6582A	410 283 711 0000	00	6		150	125	7.5	4.5		B9A	P
6611	872 430 000 0000	00	1.2		40	40	1	1		B5A	P
6612	872 430 000 0000	00	1.2		40	40	3	3		B5A	P
6660	412 387 100 0000	00	6	1.1	250	100	11	4.4		B7G	P
6661	412 387 100 0000	00	6	1.0	250	150	7.4	4.6		B7G	P
6662	412 387 100 0000	00	6	1.0	250	100	9.2	3.6		B7G	DD
6663	192 310 X00 0000	00	6							B7G	DDT
6664	412 39X 800 0000	00	6	12	250		10	5.5		B7G	P
6669	412 387 400 0000	00	6	12.5	250	250	47	4.1		A08	P
6676	412 387 100 0000	00	6	56	150	150	13	8		B7G	P
6677	147 238 174 0000	00	6	3	250	150	30	11		B9A	P
6678	857 238 114 0000	00	6	1.6 0.9	150 250	100	18 10	8.5 5.2		B9A	TP
6679	841 228 513 0000	00	6	2	250		10	5.5		B9A	TT
6680	841 228 513 0000	00	6	8.5	250		10.5	2.2		B9A	TT
6681	841 228 513 0000	00	6	2	250		1.2	1.6		B9A	TT
6686	041 230 871 0000	00	6	2.5	200	200	20	11		B9A	P
6687	412 387 100 0000	00	6	5	150	75	0.5	0.6		B7G	H
6688	141 230 817 0000	00	6	1	200	150	13.1	16.5		B9A	P
6689	741 238 001 0000	00	6	1.7	200	125	10	9		B9A	P
6690	852 183 410 0000	00	6	0.8	100		8	4.8		B8A	TT
6697	841 228 513 0000	00	6	8.5	250		10	2.0		B9A	TT
6754	901 023 10X 0000	00	6				30			B9A	RR
6760	841 238 710 0000	00	18	7.5	150	125	70	12		B9A	P
6761	841 238 710 0000	00	6	7.5	150	125	70	13		B9A	P
6788	412 183 710 0000	00	6	1.4	100	100	0.8	1.1		B8A	P
6814	402 013 080 0000	00	6		100		10	6		B8A	T
6829	841 228 513 0000	00	6	2.2	150		10.7	8.1		B9A	TT
6832	842 113 580 0000	00	6		100		0.7	1		B8D	TT
6840	814 228 130 0000	00	6.3		250		14	6.7		B8D	P
6850	752 134 700 0000	88	12		200	200	50	4.5		B7A	PP
6851	841 228 513 0000	00	6.3	3.1	250		1	1.2		B9A	TT
6853	030 90X 020 0000	00	5				60			A08	RR
6854	214 808 513 0000	00	6.3	19.6	150		8.2	5.2		B9A	TT
6870	141 223 871 0000	00	6	3.5	250	250	25	8.5		B9A	P
6872	721 413 100 0000	80	6.3	1	400	100	3.5	2.2		B7G	P
6877	402 834 018 0000	00	6.3	12	100		75	6.5		B9A	T
6883	127 141 130 0000	80	12	30	200	200	100	7		B9A	P
6887	192 310 X00 0000	00	6							B7G	DD
6888	021 417 800 0000	00	6.3		150	90	38			A08	P
6889	200 073 420 0000	80	6.3	22.5	250	250	77	5.4		A08	P
6893	127 141 130 0000	80	12	30	200	200	100	7		B9A	P
6900	851 221 438 0000	00	6.3	2	150		36	11.5		B9A	TT
6907	247 135 200 0000	08	6.3	50	400	250	100			B7A	PP
6913	247 135 200 0000	80	6.3	5	150		11	4.6		B9A	TT
6919	851 228 413 0000	00	6.3								
6919	192 310 X00 0000	00	6				5			B7G	RR
6922	841 328 511 0000	00	6.3	1.2	90		15	12.5		B9A	TT
φ 6927	882 345 100 0000	00	6	3 0.8	150 100		5 8.5	4.5 5.8		B7G	TT
6928	412 387 400 0000	00	6	12.5	100 250	250	45	4.1		B7G	P
6939	415 220 783 0000	00	6.3	100	300	200	85	10		B9A	PP
	415 228 703 0000	00									
6943	412 183 710 0000	00	6.3		100	100	8	3.6		B8D	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
6944	412 183 710 0000	00	6.3		100	100	7	3.2		B8D	P
6945	412 183 710 0000	00	6.3		100	100	25	3.5		B8D	P
6946	402 013 080 0000	00	6.3		100		9	3.8		B8D	T
6947	842 113 580 0000	00	6.3		150		6.5	4		B8D	TT
6948	842 113 580 0000	00	6.3		100		0.8	1.6		B8D	TT
6954	412 387 100 0000	00	6.3	1	150	150	5.9	2		B7G	P
6955	841 228 513 0000	00	6	8.5	250		11.5	2.3		B9A	TT
6968	402 387 100 0000	00	6.3	2	150	125	7.5	5		B7G	P
6973	704 234 178 0000	00	6.3	15	250	250	46	4.8		B9A	P
7000	028 710 310 0000	40	6	3	250	100	2	1.2		A08	P
7025	851 238 413 0000	00	6	2	250		1.2	1.6		B9A	TT
7027	728 744 310 0000	00	6.3		200	200				B8A	P
7032	412 387 100 0000	00	6.3	2	250	100	4.5	1.8		B7G	H
7036	412 387 100 0000	00	6	0	75	75	6.3	2		B7G	H
7044	841 221 538 0000	00	6.3	2	150		36	10		B9A	TT
7051	857 238 114 0000	00	6.3	{	1.0	150	18	8.5	}	B9A	TP
7054	141 230 871 0000	00	13.5		1.0	200	10	5			B9A
7055	192 310 X00 0000	00	13.5		2.7	250	19	11.5		B7G	RR
7056	412 387 100 0000	00	13.5	2.2	200	150	9.5	6.2		B7G	P
7057	841 238 510 0000	00	13.5	2.2	150		10	6.8		B9A	TT
7057	741 238 9X1 0000	00	19	2	250	100	9	3.8		B9A	DDP
7058	841 238 510 0000	00	13.5		250		1.2	1.6		B9A	TT
7059	857 238 114 0000	00	13.5	{	1	150	18	8.5	}	B9A	TP
7060	841 238 751 0000	00	13.5		0.9	250	100	10		5.2	B9A
7061	704 234 178 0000	00	13.5	{	1.5	150	9	4.9	}	B9A	TP
7062	841 228 513 0000	00	6.3		1.6	200	125	7			B9A
7066	209 784 300 0000	00	1.4		200	200	36	4.2		B9A	P
7071	000 230 000 0000	90	6.3	0.8	100		8.5	7.8		B9A	TT
7072	000 230 009 0000	10	6.3		100	100	1.1	0.4		B7G	DP
7073	000 230 009 0000	10	26				180			B9A	D
7074	841 234 148 0000	00	6.3		200		12	14		B9A	T
7075	841 234 148 0000	00	3.8		200		12	14		B9A	T
7078	041 230 871 0000	00	6.3	2.0	250	100	9	4.4		B9A	P
7079	041 230 871 0000	00	12.6		200	100	12	4.4		B9A	P
Δ7105	{ 501 481 230 0000 581 401 230 0000	00	{	12.6	30	100				A08	TT
7108											
7110	141 230 871 0000	00	6.3	3.5	250	250	10	6.8		B9A	P
7118	841 228 513 0000	00	6.3	1.4	100		8.5	5.6		B9A	TT
7119	841 221 538 0000	00	6.3	7	200		23	6.4		B9A	TT
7125	741 238 9X1 0000	00	6.3	2	250	100	9	3.8		B9A	DDP
7137	412 344 800 0000	00	6.3	1.3	150		13.5	8.5		B7G	T
7143	412 314 800 0000	00	3.1	1.0	200		11.5	6.7		B7G	T
7144	841 238 510 0000	00	6.3	1.2	90		15	12.5		B9A	TT
7145	701 238 014 0000	00	6.3	2.0	50	50	1.8			B9A	P
7150	831 421 107 0000	00	6.3		150	125	24	34		B9A	P
7167	412 387 100 0000	00	13.5	1	150	80	10	8		B7G	P
7184	028 740 310 0000	00	6.3	12.5	250	250	47	4.1		A08	P
7189	041 230 807 0000	00	6.3	7.3	250	250	48	11.3		B9A	P
7193	020 000 310 0000	84	6	10.5	300		11	3		A08	T
7199	887 231 514 0000	00	6.3	{	8	200	9	2	}	B9A	TP
			1.5		250	125	12.5	7			
7212	127 142 380 0000	00	6.3	28	200	200	100	7		A08	P
7227	041 230 871 0000	00	27.5	2.5	40	40	8	5		B9A	P
7233	848 238 418 0000	00	6.3	40	150		50	9		B9A	T
7236	581 481 230 0000	00	6.3	14	150		100	12.5		A08	TT
7239	410 237 101 0000	80	6.3	5	300	100	10.5	4.2		B9A	P
7241	882 345 100 0000	00	6	0.4	100		9	6		B7G	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
7245	412 344 800 0000	00	6.3		150		13.5	11		B7G	T
7247	851 228 413 0000	00	6.3	2	250		1.2	1.6		B9A	TT
7258	841 238 751 0000	00	12.5	8.5	250	125	10.5	2.2		B9A	TP
7308	851 238 410 0000	00	6.3	1.4	150	125	12	7.8		B9A	TT
7316	841 228 513 0000	00	6.3		90		12	11.5		B9A	TT
7318	841 228 513 0000	00	6.3	8.5	250		11.5	2.3		B9A	TT
7320	041 230 807 0000	00	6.3	7.3	250	250	48	11.3		B9A	P
7355	028 014 370 0000	00	6.3	15	250	225	74	7.6		A08	P
7358	127 141 300 0000	00	6.3		200	200	100	7		A08	P
7370	841 221 538 0000	00	20	2	120		36	11.5		B9A	TT
7382	412 300 800 0000	00	6.3	2	250		1.2	1.6		B7G	T
7408	028 740 310 0000	00	6.3	12.5	250	250	4.7	4.6		A08	P
7492	851 228 413 0000	00	6.3		250			5.5		B9A	TT
7498	412 381 700 0000	00	6.3		250	250		7.5		B7G	P
7534	020 740 310 0000	80	6.3	15.5	250	150	100	25.0		A08	P
7543	412 387 100 0000	00	6.3	1.0	250	150	10.8	5.2		B7G	P
7551	147 238 171 0000	00	13	18	250	250	40	5.3		B9A	P
7558	147 238 171 0000	00	6.3	18	250	250	40	5.3		B9A	P
7561	028 740 310 0000	00	25		100	100	555	10.5		A08	P
7581	028 740 310 0000	00	6.3	14	250	250	72	6		B8A	P
7586	080 400 010 2030	00	6.3	1.3	75		10.5	11.5		NV5	T
7587	070 400 010 2030	80	6.3	0.9	125	50	10	10.6		NV5	P
7591	028 714 370 0000	00	6.3	10	300	300	75	10.2		A08	P
7607	127 141 300 0000	80	6.3	17	300	250	80	8		A08	P
7643	857 238 114 0000	00	6.3	2	100		14	5		B9A	TP
7683	418 238 178 0000	00	6.3	0.5	300	250	12.6	5		B9A	P
7687	857 238 114 0000	00	6.3	8.5	200		7.5	2.5		B9A	TP
7688	141 512 386 8080	00	6.3	2	200	125	10	5.8		A12	TTT
7689	141 512 386 8080	00	6.3	8.5	250		10.5	2.2		A12	TTT
7690	141 512 386 8080	00	6.3	2	250		10	5.5		A12	TTT
7693	412 387 100 0000	00	6.3	100	250	150	7.4	4.6		B7G	P
7694	412 387 100 0000	00	6.3	80	250	100	9.2	3.6		B7G	P
7695	700 234 108 0000	00	50	11	130	130	100	11.0		B9A	P
7699	514 228 703 0000	00	6.3		250		45	10		B9A	PP
7700	514 220 783 0000	40	6	3	250	100	2	1.2		UX6	P
7701	141 238 717 0000	00	13.6	12.5	250	250	28	3.6		B9A	P
7716	148 231 578 0000	00	13.6	1.0	150		1.6	3		B9A	TP
7717	412 387 100 0000	00	6.3	60	200	100	24	9.5		B7G	P
7719	841 228 413 0000	00	6.3	1	125	80	10	8		B9A	T
7721	141 230 817 0000	00	6.3	10.5	300		4.0	3.5		B9A	P
7722	141 230 817 0000	00	6.3	1	200	150	34	27		B9A	P
7724	191 23X 148 0000	00	14	3.0	250		0.7	1.0		B9A	DDT
7728	841 228 513 0000	00	6.3	2	250		10	5.5		B9A	TT
7729	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT
7731	857 238 114 0000	00	6.3	1	150		18	8.5		B9A	TP
7732	412 387 100 0000	00	6.3	0.95	250	100	10	5.2		B7G	P
7733	141 223 871 0000	00	6.3	1	200	125	13	8		B9A	P
7734	714 238 148 0000	00	6.3	3	250	175	24	12		B9A	TP
7738	842 314 800 0000	00	6.3	21	150		35	5.4		B7G	T
7751	028 740 310 0000	00	6.3	2.0	150	150	5.5	3.2		A08	P
7752	412 387 100 0000	00	6		400		12	9.9		B7G	P
7754	700 234 108 0000	00	6.3	8	100	100	100	14		B9A	P
7755	412 387 100 0000	00	6		150	125	5.5	3.5		B7G	P
7756	108 072 430 0000	00	6	2	150	150	100	11		B7G	P
7757	471 034 710 0000	00	6	36	40	30	3	2.7		A08	P
			6.3	12.5	300	300	58	4.3		B9A	P
					250	250	45	4.1			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
7759	842 113 580 0000	00	26.5	1.0	100		6.5	5.4		A08	TT
7760	842 113 580 0000	00	26.5		26.5		3	5		A08	TT
7761	214 808 513 0000	00	12.6		150		8.2	5.5		B9A	TT
7762	412 183 710 0000	00	26.5	1.2	110	110	30	4.2		A08	P
7763	811 234 178 0000	00	6.3		250	90	4.2			B9A	P
7788	141 237 817 0000	00	6.3		150	150	35	50		B9A	P
7803	841 238 510 0000	00	6.3	1.3	90		15	12.5		B9A	TT
7861	214 808 413 0000	00	12.6		150		8.2	5.5		B9A	TT
7868	741 234 708 0000	00	6.3	10	300	30	60	10.2		B9D	P
7887	842 113 580 0000	00	26.5	1.9	100		8.5	5		A08	TT
7888	402 013 080 0000	00	26.5	2.3	150		13	6.5		A08	T
7889	842 113 580 0000	00	26.5	1.4	150		1.75	2.5		A08	TT
7895	080 400 010 2030	00	6.3	1	100		7	9.4		NV5	T
7898	841 238 510 0000	00	12	2	250		10	5.5		B9A	TT
7984	218 881 711 4730	00	13.5	9	200	125	100	13.5		A12	DP
8013A	200 300 000 0000	90	2.5				15			B4	R
8016	020 000 030 0000	90	1.2							A08	D
8032	127 141 310 0000	80	13.5	32	200	200	100	7		A08	P
8056	080 400 010 2030	00	6.3	0.8	24		8.5	7		NV5	T
8058	010 100 010 2034	80	6.3	0.5	100		10	12.4		NV5	T
8077	141 230 871 0000	00	13.5	2.7	250	150	19	11.5		B9A	P
8156	218 881 711 4730	00	13.5	9	200	125	75	7.6		A12	P
8223	851 238 410 0000	00	6.3	1.5	100		30	20		B9A	TT
8233	817 231 141 0000	00	6.3	3	150	150	50	45		B9D	P
8255	414 234 444 0000	00	6.3	1.2	150		12	13		B9A	T
8348	425 238 782 0000	00	1.6		200	200	30	3.3		B9A	PP
9001	412 387 100 0000	00	6	3	250	100	2	1.4		B7G	P
9002	812 384 100 0000	00	6	7	250		6.3	2.2		B7G	T
9003	412 387 100 0000	00	6	3	250	100	6.7	1.8		B7G	P
9004	203 190 000 0000	00	6.3				5			5AA	R
9005	219 330 000 0000	00	3.6							5AA	D
9006	912 390 100 0000	00	6				5			B7G	R
9072	020 000 310 0000	84	6.3		300		15	2.5		A08	T
18004	423 800 000 0000	00	4.4	25	130		22	1		UX4	T
18013	081 231 700 0000	40	4		200	200	8	5		B7	P
18014	007 231 800 0000	40	4		200	200	35	8		B7	P
18015	081 231 700 0000	00	21		150	125	8	8.3		B7	P
18016	007 231 800 0000	00	21		150	125	48	9		B7	P
18040	287 104 130 0000	00	18	3.4	200	200	15	10		B8B	P
18042	741 238 001 0000	00	18	1.8	200	100	8.3	8.2		B9A	P
18043	741 238 001 0000	00	6	1.8	200	200	8.2	8.2		B9A	P
18045	041 230 871 0000	00	18	3	200	200	20	11		B9A	P
18046	041 230 871 0000	00	18	3	200	100	20	11		B9A	P
18048	281 704 130 0000	00	20	4.8	250	150	16	6.5		B8D	P
95108	873 420 000 0000	00	1.2	1	40	40	2.2	1		B5A	P
824476	481 581 230 0000	00	6	8	250		9	2.6		A08	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
A11A	9X2 300 000 0000	00	4				60			B4	RR
A11B	9X2 300 000 0000	00	4				60			B4	RR
A11C	9X2 300 000 0000	00	4				60			B4	RR
A11D	9X2 300 000 0000	00	4				60			B4	RR
A20B	9X2 310 000 0000	00	4				60			B5	DD
A23A	90X 231 800 0000	40	4	7	250		4	2		B7	DDT
A26	284 300 000 0000	00	15	1.4	90		4.5	1.1		UX4	T
A27D	91X 238 700 0000	40	4	6	250	250	36	9.5		B7	DDP
A28	284 300 000 0000	00	15	1.5	90		7.5	1.1		UX4	T
A30	284 300 000 0000	00	15	27	200		22	1.0		UX4	T
A30B	842 310 000 0000	00	4	2	250		10	5.5		B5	T
A32	284 300 000 0000	00	15	3	150		1.5	0.9		UX4	T
A36A	847 231 800 0000	50	4	2	150		6	1.2		B7	TH
	057 231 800 0000	50			200	100	3.5				
A36B	847 231 800 0000	50	4	2	100		22	6		B7	TH
	057 231 800 0000	50			250	150	3.5				
A36C	847 231 800 0000	50	4	3	100		9	3.8		B7	TH
	057 231 800 0000	50			250	100	3.25	2.5			
A40	284 300 000 0000	00	15	40.5	200		21	1.5		UX4	T
A40	284 310 000 0000	00	4		100			2		5AA	T
A40M	274 130 000 0000	80	4	1.5	200	100	3	2		UX5	P
A40M	742 310 000 0000	80	4	1.5	200	100	3	2		B5	P
A41	371 220 000 0000	84	4		250	100		2		5AA	P
A48	284 300 000 0000	00	15	4.5	90		4.5	1.1		UX4	T
A50A	742 310 000 0000	80	4	2	200	100	3	2.3		B5	P
A50A	040 231 700 0000	80	4	2	200	100	3	2.3		B7	P
A50B	081 231 700 0000	40	4	1.5	250	250	6	3.5		B7	P
A50M	041 231 700 0000	80	4	2	200	125	4.5	2.3		B7	P
A50M	742 310 000 0000	80	4	2	250	125	4.5	2.3		B5	P
A50N	742 310 000 0000	80	4	2	250	100	4.2	2.5		B5	P
A50N	041 231 700 0000	80	4	2	250	100	4.2	2.5		B7	P
A50P	080 231 700 0000	40	4	3	250	250	11.5	2		B7	P
A70B	842 310 000 0000	70	4	25	250	250	36	2.6		B5	P
A70B	047 231 800 0000	00	4	25	250	250	36	2.6		B7	P
A70C	047 231 800 0000	00	4	3	250	250	36	9		B7	P
A70D	047 231 800 0000	00	4	3	250	250	36	9		B7	P
A70D	842 370 000 0000	00	4	5.8	250	250	36	9.5		B5	P
A70E	047 231 800 0000	00	4	14	250	275	72	8.5		B7	P
A70P	047 231 800 0000	00	4	14.5	250	250	70			B7	P
A104	842 300 000 0000	00	1.1	10	100		5	0.3		B4	T
A106	842 300 000 0000	00	1.4	9	100		2	0.4		B4	T
A109	842 300 000 0000	00	1.3	9	150		2	0.4		B4	T
A109	284 300 000 0000	00	1.4	9	150		2	0.4		UX4	T
A110	284 300 000 0000	00	1.4	4.5	150		4	0.4		UX4	T
A110	842 300 000 0000	00	1.4	4.5	150		3	0.4		B4	T
A125	842 300 000 0000	00	1.2	3	150		0.4	0.4		B4	T
A203	842 300 000 0000	00	2	30	150		12	1.5		B4	T
A205	842 300 000 0000	00	2	18	150		7	1.2		B4	T
A206	842 300 000 0000	00	2	8.5	150		3.8			B4	T
A209	842 300 000 0000	00	2	9	150		4	1.0		B4	T
A209	284 300 000 0000	00	2	9	150		4	1.0		UX4	T
A210	384 200 000 0000	00	2	9	150		3	1.0		UX4	T
A210	842 300 000 0000	00	2	9	150		3	0.9		B4	T
A211	842 300 000 0000	00	2	2	150		2	1.2		B4	T
A214	842 300 000 0000	00	2	3	150		4.5	1.3		B4	T
A225	842 300 000 0000	00	2	3	150		1	1		B4	T
A225	384 200 000 0000	00	2	3	150		1	1		UX4	T
A235	200 300 000 0000	90	6				30			UX4	R
A235	042 300 000 0000	80	2		150		1.5	0.4		B4	T
A239	230 200 000 0000	90	2.5				60			UX4	R
A241	842 300 000 0000	70	2	2	20	20	1.2	1		B4	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
A242	287 300 000 0000	40	2	3	150	75	1.7	0.6		UX4	P
A303	284 300 000 0000	00	3	27	150		3	0.6		UX4	T
A306	284 300 000 0000	00	3	15	150		1.5	0.4		UX4	T
A404	842 300 000 0000	00	4	10	100		4	0.4		B4	T
A406	384 200 000 0000	00	4	9	100		2	0.4		UX4	T
A406	842 300 000 0000	00	4	9	100		2	0.4		B4	T
A408	842 300 000 0000	00	4	4	150		4	1.5		B4	T
A409	842 300 000 0000	00	4	9	150		3.5	0.9		B4	T
A409	284 300 000 0000	00	4	9	150		3.5	0.9		UX4	T
A410	842 300 000 0000	00	4	3	150		3.5	0.5		B4	T
A410	284 300 000 0000	00	4	3	150		3.5	0.5		UX4	T
A410N	842 300 000 0000	00	4	3	150		3.5	0.5		B4	T
A411	842 300 000 0000	00	4	3	200		6	2.5		B4	T
A414	384 200 000 0000	00	4	4.5	150		3	2		UX4	T
A414	842 300 000 0000	00	4	4.5	150		3	2		B4	T
A415	842 300 000 0000	00	4	4	150		4	1.5		B4	T
A416	842 300 000 0000	00	4	4.5	150		4	2		B4	T
A420	842 300 000 0000	00	4	4	150		4	1.5		B4	T
A425	842 300 000 0000	00	4	2.5	200		0.2	1.2		B4	T
A430	842 300 000 0000	00	4	3	200		6	2.5		B4	T
A430	042 300 000 0000	80	4		150		1.5	0.5		B4	T
A430N	842 310 000 0000	00	4	4.5	250		6.5	3.5		B5	T
A435	842 300 000 0000	00	4	1	150		2.1	0.5		B4	T
A440N	842 310 000 0000	00	4	1.6	200		0.2	2.2		B5	T
A442	742 300 000 0000	80	4	1	200	100	4	0.7		B4	P
A442	274 300 000 0000	80	4	1	200	100	1	0.4		UX4	P
A557	802 310 000 0000	40	4	8	150		28	2		B5	T
A577	802 310 000 0000	40	4	20	250		40	2		B5	T
A600	842 300 000 0000	00	6	9	150		4	1.5		UX4	T
A609	842 300 000 0000	00	6	9	150		4	1.5		B4	T
A609	802 310 000 0000	40	6	9	150		4	1.5		B5	T
A615	842 300 000 0000	00	6	4.5	150		4	2.4		B4	T
A630	842 300 000 0000	00	6	1.5	150		0.7	1.5		B4	T
A635	842 300 000 0000	00	6		160		1.2	1.5		B4	T
A642	742 300 000 0000	80	6	1	200	100		0.7		B4	P
A802	842 310 000 0000	00	4	3	100		2.5	2.5		B5	T
A819	080 231 700 0000	40	4		250	250	8	7.5		B7	P
A863	028 700 310 0000	40	6	3	250	100	2	1.2		A08	P
A901	047 231 800 0000	00	5		100	100	50	9		B7	P
A1685	028 710 310 0000	40	6.3	3	150	100	8	3.2		A08	P
A1714	412 300 800 0000	00	6.3	2.5	150		10	8.5		B7G	T
A1820	287 004 130 0000	00	6.3		250	250	40	10.5		B8B	P
ΔA1834	581 481 230 0000	00	6	40	100					A08	TT
A1860	702 332 408 0000	00	2.5	7	200	150	35	6		B9A	T
A2030N	842 310 000 0000	00	20	3	200		6	2.3		B5	T
A2040N	842 310 000 0000	00	20	1.6	200		0.2	3		B5	T
A2087	902 390 100 0000	00	4.4				5			B7G	R
A2118	842 370 000 0000	00	20	3	200		6	2.3		B4	T
A2134	412 380 700 0000	00	6	7.8	150	150	55	9.5		B7G	P
A2226	041 230 071 0000	80	6.3	12.5	150	150	50	8.5		B9A	P
A2272	210 010 013 0000	90	6							B9G	R
ΔA2293	010 234 008 0000	00	6.3	23	150					B9A	T
A2327	010 234 008 0000	00	6.3	3.5	250		20	6		B9A	T
A2359	010 234 008 0000	00	6.5		150		100	12			
A2426	020 740 310 0000	80	6.3	13.5	150	150	50	8		A08	P
A2521	414 484 234 0000	00	6.3	1	150		15	15		B9A	T
A2599	412 231 148 0000	00	6.3	1	150		16	15		B9A	T
A2637	120 040 300 0000	80	6.3	7.0	20		1.0	0.6		A08	T
A2674	211 403 708 0000	00	6.3	1.4	200	150	23	30		B9A	P
A2688	412 314 800 0000	00	6.3	1	100		12	11.5		B7G	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
A2738	028 741 310 0000	00	6.3	19	250	200	50	10		A08	P
A2744	414 484 234 0000	00	6.3	1	150		16	15		B9A	T
A2792	040 230 100 0000	80	6.3	1.7	400		1	2.5		A08	T
A2900	851 228 413 0000	00	6.3	2	250		10.5	6.2		B9A	TT
A2913	413 214 800 0000	00	6.3		200		15.5	14		B9A	T
A2975	412 300 800 0000	00	6.3	1	175		15.5	14		B7G	T
A3042	041 230 071 0000	80	6.3	12.5	150	150	50	8.5		B9A	P
A3064	412 381 700 0000	00	6.3	1.6	250	250	10	7.6		B7G	P
A4090	842 310 000 0000	00	4	3.5	250		6	2.4		B5	T
A4110	842 310 000 0000	00	4	3.5	250		6	2.4		B5	T
AA61	285 184 130 0000	00	6	5.2	250		6	2.7		B8A	TT
AA91E	192 310 X00 0000	00	6.3				5			B7G	DD
AAB1	023 1X0 X90 0000	00	4							8SC	DDD
AB1	X02 310 000 0000	90	4							B5	DD
ABC1	023 1X9 080 0000	40	4	7	250		4	2		8SC	DDT
ABC91	412 39X 800 0000	00	6	2	250		1.2	1.6		B7G	DDT
ABL1	023 1X9 780 0000	40	4	6	250	250	36	9		8SC	DDP
AC/042	842 300 000 0000	00	2	38	300		50	5		B5	T
AC/044	842 300 000 0000	00	4	383							
AC/054	842 300 000 0000	00	4	22	250		48	3.5		B4	T
AC/064	842 300 000 0000	00	4	21	200		20	3		B4	T
AC084	842 300 000 0000	00	4	22	300		17	1.1		B4	T
AC084N	842 300 000 0000	00	4		100		21	2.5		B4	T
AC2	023 100 080 0000	40	4	5.5	250		6	2.5		8SC	T
AC2DD	98X 231 700 0000	40	4	5	250	250	32			B7	DDP
AC2/HL	842 310 000 0000	00	4	1.2	250		2.5	6.5		B5	T
AC2/Pen	047 231 800 0000	00	4	5.3	250	250	32	8.5		B7	P
AC2/PenDD	98X 231 700 0000	40	4	5.3	250	250	32	8.5		B7	DDP
AC3Pen	047 231 800 0000	00	4	3	250	250	36	9		B7	P
AC4/Pen	047 231 800 0000	00	4	7	250	250	56	11		B7	P
AC5/Pen	047 213 800 0000	00	4	8.5	250	250	40	9.4		B7	P
AC5/PenDD	98X 231 700 0000	40	4	8.5	250	250	40	9.4		B7	DDP
AC6/Pen	047 231 000 0000	80	4	6.9	300	225	63	9.5		B7	P
AC101	802 310 000 0000	40	4	5.5	250		7	2.7		B5	T
AC104	842 310 000 0000	00	4	10	150		8.5	3.5		B5	T
AC701	103 080 020 0000	40	4	1.6	40		0.5	0.7		B8D	T
ACD	902 310 000 0000	00	4							B5	D
ACDD	9X2 310 000 0000	00	4							B5	DD
AC/DDT	90X 231 800 0000	40	4	4	200		5	2.3		B7	DDT
AC/DX	842 310 000 0000	00	4	3	200		5	3.5		B5	T
AC/G	842 310 000 0000	00	4	7.5	200		8	2.7		B5	T
AC/ME	047 231 800 0000	00	4	22	250	250	0.2		Ra=1MΩ	B7	TI
ACH1	{ 847 231 800 0000	50	4	{ 2	150		5	2		{ B7	TH
	{ 057 231 800 0000	50		{ 2	150	75	2.5				
ACHL4	842 310 000 0000	00	4	5	250		5	3.3		B5	T
ACHF	842 310 000 0000	00	4	3	200		3	2.5		B5	T
ACHL	842 310 000 0000	00	4	2.5	200		7	2		B5	T
AC/HLDD	90X 231 800 0000	40	4	3	200		4.9	2.6		B7	DDT
ACHLDD	XY0 231 890 0000	40	4	3	200		4.9	2.6		B9	DDDT
ACHL4DD	90X 231 800 0000	40	4	3	250		7	2.5		B7	DDT
ACHM4	742 310 000 0000	80	4		250	100	10	2.5		B5	P
AC/HP	041 231 700 0000	80	4	1.5	200	100	4.2	3.2		B7	P
AC/HP	743 210 000 0000	80	4	1.5	200	100	4.2	3.2		B5	P
ACHVP	742 310 000 0000	80	4	2	200	100	3	2.3		B5	P
ACH4	842 310 000 0000	00	4	4	200		3	3.3		B5	T
AC/L	842 310 000 0000	00	4	13.5	200		17	4.25		B5	T
ACL4	842 310 000 0000	00	4	15	250		9	4		B5	T
AC/LP	842 310 000 0000	00	4	14	200	18	4.25			B5	T
ACME4	842 310 000 0000	70	4	16	250	250	26			B5	P
ACP	842 300 000 0000	00	4	21	200		19	3		B4	T
AC/P	842 310 000 0000	00	4	13.5	200		17	2.7		B5	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
ACP1	842 310 000 0000	00	4	28	200		24	2.3		B5	T
ACP/4	042 310 000 0000	80	4	1	100		20	7		B5	T
ACP/4	842 310 000 0000	00	4	20	250		20	4		B5	T
ACPN	842 370 000 0000	00	4	12	250	200	22			B5	P
ACPN DH	842 370 000 0000	00	4	10	250	200	18			B5	P
AC/PP	842 300 000 0000	00	4	25	400		50	5		B4	T
ACPP	047 231 800 0000	00	4	5.5	250	250	32			B7	P
AC/Pen	047 231 800 0000	00	4	15.5	250	250	32	2.7		B7	P
AC/Pen	842 310 000 0000	70	4	12	200	200	24	2.5		B5	P
ACPT	842 310 000 0000	70	4	8	250	200	31			B5	P
ACPX4	842 310 000 0000	00	4	18	250		30	4		B5	T
ACPX4A	842 300 000 0000	00	4	25	250		50	5		B4	T
ACQ	047 231 800 0000	00	4	22	400	250	57	6		B7	P
AC/S1VM	742 310 000 0000	80	4	1.4	200	75	5.6	1.1		B5	P
AC/S2	742 310 000 0000	80	4	1	200	60	6	3.4		B5	P
AC/S2Pen	041 231 700 0000	80	4	1.5	250	100	8	4.6		B7	P
AC/SG	742 310 000 0000	80	4	1.5	200	60	4.5	1.9		B5	P
AC/SGVM	742 310 000 0000	80	4	2	200	60	5.8	2.0		B5	P
AC/SH	742 310 000 0000	80	4	1.5	200	75	7.4	2.5		B5	P
AC/SL	041 230 700 0000	80	4	2	200	100	3	2		B5	P
ACSP1	041 231 700 0000	80	4	3	200	200	4.9	2.7		B7	P
ACSP3	081 231 700 0000	40	4	1.5	250	100	9	7.5		B7	P
AC/SP3/RH	081 231 700 0000	40	4	1.5	250	100		7.5		B7	P
ACTH1	847 231 800 0000	50	4	2.7	75		6	3		B7	TH
ACTH1A	057 231 800 0000	50			250	100	3	3.5			
	218 840 730 0000	50			75		6	3			
	218 050 730 0000	50	4	3	250	100	3	3.5		M08	TH
ACVH	742 310 000 0000	80	4	1.5	200	75	9.3	2.7		B5	P
ACTP	781 231 840 0000	50	4	5	150		1.5	1.4		B9	TP
					250	200	5.5	1.6			
ACVG	742 310 000 0000	80	4		200	75	5	3		B5	P
AC/VP	041 231 700 0000	80	4	1.5	200	100	5.7	2.5		B7	P
AC/VP	742 310 000 0000	80	4	1.5	200	100	5.7	2.5		B5	P
AC/VP1	041 231 700 0000	80	4	2.8	250	200	7.4	2		B7	P
AC/VP2	081 231 700 0000	40	4	2.8	250	100	7.4	2		B7	P
ACVP4	041 231 700 0000	80	4		250	100	6	3		B7	P
ACVPB	081 231 700 0000	40	4	1.5	250	150	12	4		B7	P
ACVS	742 310 000 0000	80	4	1.5	200	75	4.4	2		B5	P
ACVS4	742 310 000 0000	80	4	2	250	50	6	2		B5	P
AC/Y	047 231 800 0000	00	4	10	250	250	32	3.5		B7	P
AC/Y	842 310 000 0000	70	4	10	250	250	32	3.5		B5	P
AC/YC	047 231 800 0000	00	4	10	250	250	68	7.5		B7	P
AC/YI	047 231 800 0000	00	4	10	250	250	68	7.5		B7	P
AC/Z	842 310 000 0000	70	4	5.5	250	250	32	7.5		B5	P
AC/ZDD	98X 231 700 0000	40	4	5.5	250	250	32	8		B7	DDP
AD	291 300 000 0000	00	6.3				30			UX4	R
AD1	023 004 080 0000	00		45	250		60	6		8SC	T
AD1/350	023 004 080 0000	00	4	66	400		42			8SC	T
AD1N	023 004 080 0000	00	4		300		60			F8	T
AD101	842 310 000 0000	00	4	26.5	250		40	4.6		B5	T
ADG	842 310 000 0000	00	20	10	200		10	3.5		B5	T
ADHF	842 310 000 0000	00	20	3	200		5	3.5		B5	T
ADHP	041 231 700 0000	80	20		200	100	5	2.8		B7	P
ADL	872 310 000 0000	00	20	13	200		20	3		B5	T
ADPN	842 370 000 0000	00	20	15	250	200	22			B5	P
ADVHP	041 231 700 0000	80	20		200	100	5.5	2.5		B7	P
AE	287 413 000 0000	00	13	13.5	100	100	8.5	1.6		UX6	P
AF	291 300 000 0000	00	2.5				120			UX4	R
AF2	742 310 000 0000	80	4	2	200	100	4.2	2.5		B5	P
AF3	023 110 780 0000	40	4	3	250	100	8	1.8		8SC	P
AF7	023 110 780 0000	40	4	2	250	100	3	2.1		8SC	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE	
AF8	028 748 310 0000	00	6	2	200	50	3.5			A08	O	
AG	29X 300 000 0000	00	5				120			UX4	RR	
AG495	842 310 000 0000	00	4	4	200		4	2.5		B5	T	
AG4100	842 300 000 0000	00	4	3	150		5	2		B4	T	
AH1	023 147 780 0000	40	4	2	250	75	3	1.8		8SC	P	
AH100	023 147 780 0000	40	4	2.5	200	100	5.5	1.5		8SC	P	
AH4105	742 310 000 0000	80	4	2	200	125	4.5	2.3		B5	P	
AK2	023 185 780 0000	40	4	{	2	100	75	4.2	0.9	}		
			2		250	75	4.5	2.2			8SC	O
AL1	023 004 780 0000	00	4		15	250	250	36	2.8			8SC
AL2	023 100 780 0000	40	4	25	250	250	36	2.6		8SC	P	
AL2/375	023 100 780 0000	40	4	25	250	250	36	2.6		8SC	P	
AL3	247 231 800 0000	00	4	3	250	250	36	9		B7	P	
AL3	023 104 780 0000	00	4	6.5	250	250	36	9.5		8SC	P	
AL4	147 231 800 0000	00	4	3	250	250	36	9		B7	P	
AL4	023 104 780 0000	00	4	6.5	250	250	36	9.5		8SC	P	
AL4/375	147 231 800 0000	00	4	6	250	250	34	9.5		B7	P	
AL4/375	023 104 780 0000	00	4	6	250	250	34	9.5		8SC	P	
AL5	147 231 800 0000	00	4	14	250	250	72	8.5		B7	P	
AL5/375	023 104 780 0000	00	4	14	250	275	72	8.5		8SC	P	
AL60	041 231 700 0000	80	4	7	250	250	72	14.5		B7	P	
AL60	702 331 480 0000	00	2.4	7	200	150	35	6		B8D	P	
AL495	842 310 000 0000	00	4	12	250		30	4		B5	T	
AL860	702 331 408 0000	00	4.8	7	200	150	35	6		B9A	P	
AM1	023 104 780 0000	00	4	5	259	259	0.1		Ra=2MΩ	8SC	TI	
AMOE	047 231 800 0000	00	4	14	250	250	72	9		B7	P	
AN4092	842 310 000 0000	90	4	3.5	200		6	2		B5	DT	
AP495	842 310 000 0000	00	4	1.5	200		2.5	5		B5	T	
APP4A	047 231 800 0000	00	4	16.5	250	250	36	3.5		B7	P	
APP4AS	023 100 780 0000	40	4	16.5	250	250	36	3.5		8SC	P	
APP4B	047 231 800 0000	00	4	5	250	250	32	10		B7	P	
APP4BS	023 104 780 0000	00	4	5	250	250	32	10		8SC	P	
APP4C	147 231 800 0000	00	4	5	250	250	36	10		B7	P	
APP4D	147 231 800 0000	00	4	16	250	250	72	7		B7	P	
APP4E	147 231 800 0000	00	4	13.5	350	275	72	8.5		B7	P	
APP4E	023 104 780 0000	00	4	13.5	350	275	72	8.5		8SC	P	
APP4G	081 231 700 0000	40	4	6	250	250	36	10		B7	P	
APP4G	041 231 700 0000	80	4	6	250	250	36	10		B7	P	
APP4G	007 231 800 0000	40	4	6	250	250	36	10		B7	P	
APP495	842 370 000 0000	00	4	23	300	200	25	2		B5	P	
APP4100	842 310 000 0000	70	4	15	250	250	24	2.5		B5	P	
APP4120	842 310 000 0000	70	4	15	350	200	22	3.5		B5	P	
APV4	9X2 300 000 0000	00	4				60			B4	RR	
APV4100	9X2 300 000 0000	00	4				60			B4	RR	
APV4200	9X2 300 000 0000	00	4				60			B4	RR	
AR495	842 310 000 0000	00	4	1	100			5		B5	T	
AR4100	842 310 000 0000	00	4	3	200		3	2		B5	T	
AR4101	842 310 000 0000	00	4	1	100			3		B5	T	
AS494	742 310 000 0000	80	4		200	100	15	1.5		B5	P	
AS495	742 310 000 0000	80	4	2	200	100	1	3.4		B5	P	
AS4100	742 310 000 0000	80	4	6	200	100	4	1.4		B5	P	
AS4120	742 310 000 0000	80	4	2	200	100	3	3		B5	P	
AS4125	742 310 000 0000	80	4	2	250	100	3	3		B4	P	
AV11	200 300 000 0000	90	2.5							UX4	R	
AX	284 300 000 0000	00	5	9	150		3	0.8		UX4	T	
AX1	9X2 300 000 0000	00	4				60			B4	RR	
AX50	9X2 300 000 0000	00	4				120			B4	RR	
AZ1	023 090 0X0 0000	00	4				30			8SC	RR	
AZ2	023 090 0X0 0000	00	4				60			8SC	RR	
AZ3	023 190 0X0 0000	00	4				60			8SC	RR	
AZ4	023 090 0X0 0000	00	4				60			8SC	RR	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{k1}	V _a	V _{k2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
AZ11	X02 300 090 0000	00	4				60			F8	RR
AZ12	X02 300 090 0000	00	4				60			F8	RR
AZ21	299 03X X20 0000	00	2				30			A08	RR
AZ31	020 90X 030 0000	00	4				30			A08	RR
AZ32	020 90X 030 0000	00	4				60			A08	RR
AZ33	029 0X0 300 0000	00	4				60			A08	RR
AZ41	090 00X 230 0000	00	4				30			B8A	RR
AZ50	023 090 0X0 0000	00	4				120			8SC	RR
AZ50	9X2 300 000 0000	00	4				120			B4	RR
B2	842 300 000 0000	00	2	2	150		2	1.2		B4	T
B7	842 300 000 0000	00	6		150		8	0.66		B4	T
B11	842 300 000 0000	00	6		200		20	1.4		B4	T
B21	458 230 800 0000	00	2	3	150		5.0	1.5		B7	TT
B22	458 230 800 0000	00	2		150		5			B7	TT
B23	842 300 000 0000	00	2		150		4	0.75		B4	T
B24	458 230 800 0000	00	2	0	150		7			B7	TT
B30	481 238 500 0000	00	13	0	200		30			B7	TT
B36	581 481 230 0000	00	13	8	250		9	2.6		A08	TT
B63	284 158 300 0000	00	6	5	250		6	3.1		UX7	TT
B65	581 481 230 0000	00	6	8	250		9	2.6		A08	TT
B105	284 300 000 0000	00	1.4	18	150		8	1.0		UX4	T
B105	842 300 000 0000	00	1.4	18	150		8	1.0		B4	T
B109	851 238 410 0000	00	26	1.5	200		10	6.2		B9A	TT
B152	851 228 413 0000	00	6	2	250		10.0	5.5		B9A	TT
B203	842 300 000 0000	00	2	26	150		11	1.5		B4	T
B204	284 300 000 0000	00	2	22.5	125		8	0.9		UX4	T
B205	842 300 000 0000	00	2	18	150		7	1.2		B4	T
B205	284 300 000 0000	00	2	18	150		7	1.2		UX4	T
B217	842 300 000 0000	00	4.5	4.5	150		3	1.3		B4	T
B217	284 300 000 0000	00	2	4.5	150		3	1.3		UX4	T
B228	284 300 000 0000	00	2	2	150		2	1.2		B4	T
B230	548 230 800 0000	00	2	1	150		5.5			B7	TT
B240	284 583 000 0000	00	2		150		15			UX6	TT
B242	742 300 000 0000	80	2	0	200	75	4.5	1.1		B4	P
B242	274 300 000 0000	80	2	0	200	75	4.5	1.1		UX4	P
B255	742 300 000 0000	80	2	1	150	100	1.8	1.2		B4	P
B255	274 300 000 0000	80	2	1	150	100	1.8	1.2		UX4	P
B262	742 300 000 0000	80	2	1	150	100	1.8	1.3		B4	P
B262	287 300 000 0000	40	2	1	150	100	1.8	1.3		UX4	P
B309	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
B319	158 234 118 0000	00	7.5	1.5	90		12	6		B9A	TT
B329	851 228 413 0000	00	6	8.5	250		10.5	2.2		B9A	TT
B339	851 228 413 0000	00	6	2	250		1.2	1.6		B9A	TT
B342	287 300 000 0000	40	2	2.6	150	75	4	1.3		UX4	P
B349	158 234 118 0000	00	7	1.2	90		15	9		B9A	TT
B403	842 300 000 0000	00	4	30	150		15	1.5		B4	T
B403	284 300 000 0000	00	4	30	150		15	1.5		UX4	T
B405	842 300 000 0000	00	4	18	150		11	1.6		B4	T
B405	284 300 000 0000	00	4	18	150		11	1.6		UX4	T
B406	842 300 000 0000	00	4	15	150		8	1.4		B4	T
B406	284 300 000 0000	00	4	15	150		8	1.3		UX4	T
B409	842 300 000 0000	00	4	16	250		12	2		B4	T
B409	284 300 000 0000	00	4	16	250		12	2		UX4	T
B415	284 300 000 0000	00	4	4.5	150		3	2		UX4	T
B424	842 300 000 0000	00	4	2.3	200		6	2.5		B4	T
B424	284 300 000 0000	00	4	2.3	200		6	2.5		UX4	T
B425	842 300 000 0000	00	4	4.5	150		3	2		B4	T
B425	284 300 000 0000	00	4	4.5	150		3	2		UX4	T
B435W	842 310 000 0000	90	4	3.5	200		6	2		B5	DT
B438	842 300 000 0000	00	4	2.5	200		0.2	2		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
B438	284 300 000 0000	00	4	2.5	200		0.2	2		UX4	T
B442	742 300 000 0000	80	4	1	200	100	4.5	0.9		B4	P
B442M	274 300 000 0000	80	4	1	200	100	4.5	0.9		UX4	P
B442	842 370 000 0000	00	7	17	200	150	12	1.2		B5	P
B443	284 300 000 0000	70	4	17	200	150	12	1.2		UX4	P
B443S	842 300 000 0000	70	4	12	250	75	12	1.6		B4	P
B491	842 310 000 0000	00	4	1.5	200		4	4		B4	T
B543	842 370 000 0000	00	5	15	200	150	13	1.3		B5	P
B543	284 300 000 0000	70	5	15	200	150	12	1.3		UX4	P
B543	842 300 000 0000	70	5	15	200	150	12	1.3		B4	P
B605	842 300 000 0000	00	6	18	150		9	1.8		B4	T
B605	284 300 000 0000	00	6	18	150		9	1.8		UX4	T
B609	842 300 000 0000	00	6	18	250		12	1.8		B4	T
B719	851 238 410 0000	00	6	2	250		10	6		B9A	TT
B729	851 238 410 0000	00	6.3		200		10	3.4		B9A	TT
B2006	842 310 000 0000	00	20	18	200		15	1.6		B5	T
B2038	842 310 000 0000	00	20	3	200		6	2.3		B5	T
B2041	802 300 000 0000	40	20	1	100		2.5	0.1		B4	T
B2042	742 310 000 0000	80	20	2	200	60	4	1		B5	P
B2043	842 310 000 0000	70	20	18	200	200	20	1.7		B5	P
B2044	219 004 730 0000	00	20	4	200	60	0.7	2.8		A08	P
B2044S	842 310 000 0000	90	20	3	200		6	1.8		B5	DT
B2045	742 310 000 0000	80	20	2	200	60	4	1		B5	P
B2046	742 310 000 0000	80	20	2	200	100	3	2.2		B5	P
B2047	742 310 000 0000	80	20	2	200	100	4	2		B5	P
B2052T	742 310 000 0000	80	20	2	200	100	3	2		B5	P
B2055	742 310 000 0000	80	20	1.5	200	100	3	2		B5	P
B2099	842 310 000 0000	00	20	1.6	200		0.2	3		B5	T
BA2	548 230 800 0000	00	2		150		1.5			B7	TT
BB1	X02 310 000 0000	90	16							B5	DD
BB220A	548 230 800 0000	00	2	3	150		4			B7	TT
BB240	548 230 800 0000	00	2	6	150		2.2			B7	TT
BBC12	892 3X0 000 0000	40	2	4.5	150		2.5	1.5		B5	DDT
BCH1	487 231 800 0000	50	24	{	100		5	1.2	}	B7	TP
	507 231 800 0000	50			200	50	1.3	0.7			
BF1	842 300 000 0000	00			150		8	1.3			
BF61	281 074 130 0000	00	6	7	250	250	36	10		B8A	P
BF62	281 074 130 0000	00	6	10	250	250	26	3.2		B8A	P
BF451	281 074 130 0000	00	45	9	200	175	54.5	9.5		B8A	P
BHP61	023 010 780 0000	40	2	0.5	150	125	2.5	0.7		8SC	P
BL2	872 310 000 0000	40	30	20	200	100	40	3		B5	P
BL63	028 148 310 0000	50	6	16	250		14	4.2		A08	TT
BLP61	023 004 780 0000	00	2		150	150	7	2.7		8SC	P
EM968	200 300 000 0000	90	2.5				60			UX4	R
HPM04	412 387 400 0000	00	6.3	12.5	250	250	45	4.1		B7G	P
BW3	842 370 000 0000	00	2	4.5	150	125	6	2.2		B5	P
BW602	842 300 000 0000	00	2	12	150		12	3.4		B4	T
BW1304	842 300 000 0000	00	2	6	150		6	3.2		B4	T
BX2	548 230 800 0000	00	2		200		2.5			B7	TT
BX604	842 300 000 0000	00	2	12	150		8	1.5		B4	T
C3A	281 704 130 0000	00	6.3		250	150	16	6.5		B8G	P
C3G	281 704 130 0000	00	6.3	1.8	200	150	13	14		A08	P
C3G	218 714 130 0000	00	6.3	1.8	250	150	13	13.5		B8B	P
C3G	902 382 470 0000	00	6.3	1.8	200	150	13	14		F8	DP
C3M	281 704 130 0000	00	20	4.5	250	150	15.0	6.0		B8B	P
C9	842 300 000 0000	00	4	9	150		3.5	0.9		B4	T
C10B	023 100 090 0000	00	20				75			8SC	R
C10B	902 310 000 0000	00	20				60			B5	R
C20C	9X2 310 000 0000	00	13							B5	DD
C23B	90X 231 800 0000	40	13	5	200		4	2		B7	DDT
C25	842 300 000 0000	00	4	2.5	200		2.3	1.2		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
C30	281 704 130 0000	00	6.3	4.5	250	150	15	6		B8B	P
C30B	000 231 800 0000	40	13	4	200		4	3.2		B7	T
C36A	{ 847 231 800 0000	50	21	{ 1.5	100		4	2		B9	TH
	{ 057 231 800 0000	50			250	75	3				
C36B	{ 847 231 800 0000	50	29	{	100		4	2		B7	TH
	{ 057 231 800 0000	50			250	150	3.4				
C36C	{ 847 231 800 0000	50	29	{ 2.5	100		4	2		B9	TH
	{ 057 231 800 0000	50			250	75	3	3.5			
C50B	081 231 700 0000	40	12	2.2	200	200	2.5	2.8		B7	P
C50N	081 231 700 0000	40	13	2	200	200	9.5	2		B7	P
C70D	023 110 780 0000	40	33	8.5	200	200	45	8		8SC	P
C70D	047 231 800 0000	00	35	8.5	200	200	45	8		B7	P
C80B	123 174 780 0000	40	13	1.5	200	90	1.9			8SC	O
C109	842 300 000 0000	00	1	9	150		3.5	0.5		B4	T
C125	842 300 000 0000	00	1	3	150		0.7	0.8		B4	T
C135	042 300 000 0000	80	1.4		150		1.5	1		B4	T
C142	742 300 000 0000	80	1	1.5	150	75	1.7	0.8		B4	P
C144	247 135 200 0000	88	6.3	15	300	200	40	9		B7A	FP
C180	247 135 200 0000	88	6.3	20	300	250	55	3.5		B7A	FP
C243	842 370 000 0000	00	2	15	150	150	17	1.5		B5	P
C243N	284 730 000 0000	00	2	4.5	150	125	6	2.2		UX5	P
C405	842 300 000 0000	00	4	32	250		20	1.9		B4	T
C405	284 300 000 0000	00	4	32	250		20	1.9		UX4	T
C408	842 300 000 0000	00	4	7	150		14	2.9		B4	T
C443	842 370 000 0000	00	4	25	300	200	20	1.7		B5	P
C443N	842 370 000 0000	00	4	42	300	200	20	1.5		B5	P
C443N/S	842 370 000 0000	00	4	20	300	150	20	1.5		B5	P
C453	842 370 000 0000	00	4	25	300	200	20	1.7		B5	P
C508	284 300 000 0000	00	5	9	150		6.2	1.7		UX4	T
C509A	842 300 000 0000	00	5	10	150		10	1		B4	T
C543	843 370 000 0000	00	4	1	100	150		2		B5	P
C603	842 300 000 0000	00	6	40	200		20	1.7		B4	T
C606	842 300 000 0000	00	6	27	250		20	3.3		B4	T
C643	842 370 000 0000	00	6	21	300	200	20	1.5		B5	P
CB215	548 230 800 0000	00	2	1	150		15	1.7		B7	TT
CB215S	023 084 580 0000	00	2	1	150		12	1.7		8SC	TT
CB220	548 230 800 0000	00	2	3	150		15			B7	TT
CBC1	023 1X9 080 0000	40	13	7	250		4	2		8SC	DDT
CBL1	023 19X 780 0000	40	44	8.5	200	200	45	8		8SC	DDP
CBL6	023 1X9 780 0000	40	44	8	100	100	45	6		8SC	DDP
CBL31	028 X97 310 0000	40	44	8.5	200	200	45	8		A08	DDP
CC1	023 100 080 0000	40	13	3.7	200		2.6	2		8SC	T
CC2	023 100 080 0000	40	13	5.5	250		6	2.5		8SC	T
CC81E	841 228 513 0000	00	6.3	0.6	250		10	5.5		B9A	TT
CC82E	841 228 513 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
CC86E	841 228 513 0000	00	6.3	9.3	250		14.5	5.2		B9A	TT
CCa	851 228 413 0000	00	6.3		100		15	12		B9A	TT
CCH1	{ 023 178 480 0000	50	20	{ 10	200		2.5	2.3		8SC	TH
	{ 023 170 580 0000	50			200	50	2				
CCH2	{ 023 184 780 0000	50	29	{ 10	200		2.5	2.3		8SC	TH
	{ 023 105 780 0000	50			200	75	2				
CCH35	{ 020 048 310 0000	50	7.5	{ 2	100		5.4	2.2		A08	TH
	{ 028 750 310 0000	50			250	100	5	2.4			
CE230	320 200 000 0000	90	2.5				30			UX4	R
CF1	023 110 780 0000	40	13	2	200	100	3	2.3		8SC	P
CF2	023 110 780 0000	40	13	2	200	100	4.5	2.2		8SC	P
CF3	023 110 780 0000	40	13	2	100	75	7.5	2.1		8SC	P
CF7	023 110 780 0000	40	13	2	100	100	3	2.1		8SC	P
CF50	123 100 780 0000	40	30	2	200	100	1.5	3.3		8SC	P
CF51	123 100 780 0000	40	30	2	250	100	1.7	3.3		8SC	P
CF61	{ 288 475 130 0000	00	6	{ 2	100		5	2.2		B8A	TH
	{ 280 575 130 0000	00			250	100	5	2			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
CF141	{ 288 475 130 0000	00	14	{ 2	100		6.4	2.2		B8A	TH
CH1	280 575 130 0000	00		{ 2	200	90	2.7	1.5			
CK1	023 147 780 0000	40		2	250	75	3	1.8			8SC P
CK3	023 174 780 0000	40		1.5	200	90	8	3			8SC P
CK108	023 174 780 0000	40		15	200	100	2.5				8SC O
	287 113 000 0000	40	6.3	3	250	100	2.3	1.2		UX6	P
CK507AX	873 420 000 0000	00	1.2	2	40	40	0.9	0.6		B5A	P
CK509AX	834 200 000 0000	00	0.62		40		0.1	0.1		B5A	T
CK515BX	834 200 000 0000	00	0.62		40		0.1	0.1		B5A	T
CK518AX	873 420 000 0000	00	1.2	2	40		0.8	0.5		B5A	T
CK520AX	873 420 000 0000	00	0.62	2.5	40	40	0.2	0.1		B5A	P
CK521AX	873 420 000 0000	00	1.2	3	20	20	0.6	0.4		B5A	P
CK523AX	973 420 000 0000	00	1.2	1.2	20	20	0.3	0.3		B5A	P
CK524AX	873 420 000 0000	00	1.2	1.7	20	20	0.4	0.3		B5A	P
CK525AX	873 420 000 0000	00	1.2	1.2	20	20	0.2	0.3		B5A	P
CK526AX	873 420 000 0000	00	1.2	1.5	20	20	0.5	0.4		B5A	P
CK527AX	873 420 000 0000	00	1.2		20	20	0.1	0.2	Ra = 3kΩ	B5A	P
CK528AX	873 420 000 0000	00	1.2	1.2	40	40	0.7	0.6		B5A	P
CK529AX	873 420 000 0000	00	1.2	1.2	20	20	0.3	0.3		B5A	P
CK531DX	873 420 000 0000	00	1.2	1.5	20	20	0.3	0.2		B5A	P
CK532DX	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
CK533AX	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
CK5335AX	873 420 000 0000	00	1.2	1.2	20	20	0.3	0.3		B5A	P
CK536AX	873 420 000 0000	00	1.2		20	20	0.3	0.4		B5A	P
CK537AX	873 420 000 0000	00	1.2	1.5	20	20	0.5	0.4		B5A	P
CK539AX	873 420 000 0000	00	1.2	1.4	20	20	0.2	0.3		B5A	P
CK541DX	873 420 000 0000	00	1.2		30	30	0.2	0.4	Ra = 3kΩ	B5A	P
CK542DX	873 420 000 0000	00	1.2	2	20	20	0.4	0.3		B5A	P
CK542DXS	873 420 000 0000	00	1.2	2	20	20	0.4	0.3		B5A	P
CK544DX	873 420 000 0000	00	1.2		30	30	0.1	0.3		B5A	P
CK545DX	873 420 000 0000	00	0.6	0.6	20	20				B5A	P
CK546	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
CK547DX	873 420 000 0000	00	1.2		30	30	0.2	0.4		B5A	P
CK1002	009 0X0 010 0000	00	0			30				A08	CCR
CK1005	009 0X2 030 0000	00	6.3			30				A08	RR
CK1006	29X 300 000 0000	00	2			60				UX4	RR
CK1007	009 0X2 030 0000	00	1			60			Ra = 3kΩ	A08	RR
CK1012	29X 300 000 0000	00	2			120				UX4	RR
CK1024	009 0X0 010 0000	00	6			60				A08	CCR
CK1028	202 322 300 0000	90	6			60				B7G	R
CK1091	200 900 300 0000	00	1.4							B7G	D
CK1216	882 345 100 0000	00	6.3		100		5	3.4		B7G	TT
CK5608	284 158 300 0000	00	2.5	6	200		6	2.4		UX7	TT
CK5639	412 183 710 0000	00	6.3		150	100	21	9		B8D	P
CK5654	412 387 100 0000	00	6.3	2	150	125	7.5	5		B7G	P
CK5656	745 231 881 0000	00	6.3	2	150	125	15	5.8		B9A	PP
CK5670	214 808 513 0000	00	6.3		150		8.5	5.5		B9A	TT
CK5672	873 420 000 0000	00	1.2	6.5	60	60	3.2	0.6		B5A	P
CK5676	824 300 000 0000	00	1.2	5	150		4	1.6		B5A	T
CK5677	824 300 000 0000	00	1.2	5.5	150		1.9	0.8		B5A	T
CK5678	872 430 000 0000	00	1.2		60	60	1.8	1.1		B5A	P
CK5687	841 221 538 0000	00	6.3	2	150		36	11		B9A	TT
CK5692	481 581 230 0000	00	6.3	9	250		6.5	2.2		A08	TT
CK5693	128 458 310 0000	00	6.3	6	200		7	3.2		B8B	TT
CK5694	128 458 310 0000	00	6.3	6	300		7	3.2		A08	TT
CK5697	832 400 000 0000	00	0.6	3	12		0.2	0.1		B5A	T
CK5702	873 420 000 0000	00	6.3		150	125	7.5	5		B7G	P
CK5703	823 410 000 0000	00	6.3		150		9	5		B5A	T
CK5704	823 100 000 0000	00	6.3				5			B5A	D
CK5725	412 387 100 0000	00	6.3	2	150	125	5.2	3.2		B7G	P
CK5726	192 310 000 0000	00	6.3				5			B7G	DD

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
CK5744	823 410 000 0000	00	6.3		250		4	4		B5A	T
CK5749	412 387 100 0000	00	6.3		250	100	11	4.4		B7G	P
CK5751	841 228 513 0000	00	6.3	3	250		1.0	1.2		B9A	TT
CK5755	814 225 183 0000	00	6.3	0.9	100		0.1	0.5		B9A	TT
CK5784	872 311 400 0000	00	6.3	2	150	125	5.2	3.2		B7F	P
CK5785	923 000 000 0000	00	1.2							B3G	D
CK5814	851 228 413 0000	00	6	8.5	250		10.5	2.2		B9A	TT
CK5829	912 13X 100 0000	00	6.3				5			B7F	DD
CK5851	208 037 240 0000	00	1.2	7.5	150	125	5.5	1.6		B8D	P
CK5854	872 430 000 0000	00	1.2	2	40	40	0.8	0.5		B5A	P
CK5873	284 115 830 0000	00	6.3	3	150		9	2.9		B8D	TT
CK5875	872 430 000 0000	00	1.2		90	90	3.5	2.5		B5A	P
CK5881	028 740 310 0000	00	6.3	24	150	250	75	6.1		A08	P
CK5910	287 024 300 0000	00	1.4		90	90	1.6	0.9		B7G	P
CK5965	841 228 513 0000	00	6.3		150		8.2	6.5		B9A	TT
CK5967	824 335 280 0000	00	1.2		40		3	0.1		B8D	TT
CK5968	824 335 280 0000	00	1.2		40		0.7	1.3		B8D	TT
CK5969	247 887 530 0000	00	1.2	3	150	40	6	1.7		B8D	PP
CK5970	247 887 530 0000	00	1.2		40	40	3	1.8		B8D	PP
CK5971	842 430 000 0000	00	1.2		60		3.5	2.1		B5A	T
CK5972	872 430 000 0000	00	1.2		60	60	2.5	1.3		B5A	P
CK5995	902 310 000 0000	00	6.3				30			B5A	R
CK6005	412 387 400 0000	00	6.3	12.5	250	250	45	4.1		B7G	P
CK6021	842 113 580 0000	00	6.3		100		6.5	5.4		B8D	TT
CK6029	824 300 000 0000	00	1.2	4	90		11	2		B5A	T
CK6050	824 300 000 0000	00	1.2	5	150		4	1.6		B5A	T
CK6051	872 430 000 0000	00	1.2	4	40	40	3	1.2		B5A	P
CK6088	873 420 000 0000	00	1.2	1.2	40	40	0.7	0.6		B5A	P
CK6092	873 420 000 0000	00	1.2	4.5	40	40	1.4	0.6		B5A	P
CK6100	802 384 100 0000	00	6.3	8.5	250		10.5	2.2		B7G	T
CK6101	882 345 100 0000	00	6.3		100		9	6		B7G	TT
CK6110	912 0X3 100 0000	00	6.3							B8D	DD
CK6111	842 113 580 0000	00	6.3		100		8.5	5		B8D	TT
CK6112	842 113 580 0000	00	6.3		100		0.8	1.8		B8D	TT
CK6135	802 384 100 0000	00	6.3	8.5	250		10.5	2.2		B7G	T
CK6147	208 037 240 0000	00	1.2	7.5	150	125	5.5	1.6		B8D	P
CK6152	814 230 000 0000	00	6.3		100		10	5.1		B5A	T
CK6186	412 387 100 0000	00	6.3		250	150	7	5		B7G	P
CK6201	841 228 513 0000	00	6.3		250		10	5.5		B9A	TT
CK6245	872 311 400 0000	00	6.3		20	30	2.5	3.3		B7G	P
CK6247	442 813 080 0000	00	6.3		250			2.6		B8D	T
CK6286	824 300 000 0000	00	1.2	2	60		6	2.1		B5A	T
CK6397	208 037 240 0000	00	1.2	7.5	150	125	7.2	2		B8D	P
CK6414	851 228 413 0000	00	6.3		200		8	5.5		B9A	TT
CK6418	872 430 000 0000	00	1.2	1.2	20	20	0.2	0.3		B5A	P
CK6419	872 430 000 0000	00	0.6	0.6	12	12				B5A	P
CK6526	872 430 000 0000	00	1.2	6	100	100	6.5	1.9		B5A	P
CK6533	844 812 380 0000	00	6.3		150		0.9	1.7		B8D	T
CK6540	872 311 400 0000	00	6.3		150		7.5	5		B7G	P
CK6611	842 113 580 0000	00	6.3		100		8.5	5		B8D	TT
CK6612	842 113 580 0000	00	6.3		100		0.8	1.8		B8D	TT
CK6872	872 311 400 0000	00	6.3		150	125	7.7	4.1		B7G	P
CK6883	127 141 310 0000	80	12.6	33	300	200	70	7		A08	P
CK7994	348 441 430 0000	00	6.3	1	100		13	18		B8D	T
CK7995	214 311 870 0000	00	6.3	1.6	150	150	8	13		B8D	P
CL1	023 100 780 0000	40	13	14	200	200	25	2.5		8SC	P
CL2	023 100 780 0000	40	24	15	100	100	50	3.8		8SC	P
CL4	023 100 780 0000	40	33	8.5	200	200	45	8		8SC	P
CL6	023 100 780 0000	40	35	9.5	200	100	45	8		8SC	P
CL33	028 740 310 0000	00	33	8.5	200	200	45	8		A08	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
C0241	028 700 300 0000	40	2	1	150	75	3.5	1.4		A08	P
C0243	028 458 300 0000	00	2		150		4	1.8		A08	TT
C0244	028 740 300 0000	00	2	2.5	150	125	4.1	1.8		A08	P
C0257	021 470 300 0000	80	2	3	100	100	6	2.5		A08	P
C0258	028 740 300 0000	00	1.8	6	150	125	10	2		A08	P
CY1	023 100 090 0000	00	20				60			8SC	R
CY1C	903 210 000 0000	00	20				60			B5	R
CY2	123 1X0 090 0000	00	30				60			8SC	RR
CY21	209 001 003 0000	00	25				120			B9A	R
CY31	020 090 310 0000	00	20				120			A08	R
CY32	02X 190 310 0000	00	30				60			A08	RR
CZ30	029 1X3 210 0000	00	80				60			A08	RR
CZ501D	287 113 000 0000	40	3.5	2.5	150	125	6.5	3.5		UX6	P
CZ504D	287 413 000 0000	00	5.5	13.5	250	200	40	3.5		UX6	P
D1	123 000 000 0000	90	4				5			B3G	R
D1	29X 300 000 0000	00	5				60			UX4	RR
D1	842 300 000 0000	00	4	1	40		1	0.8		B4	T
D1C	284 230 000 0000	00	1.2	5	135		2	0.6		5AA	T
D2	842 300 000 0000	00	4	6	100		2.2	0.2		B4	T
D2C	284 230 000 0000	00	1.2	7.5	135		3	1.2		5AA	T
D2M9	192 310 100 0000	00	6.3				5			B7G	DD
D3A	141 230 817 0000	00	6.3	1.2	200	150	22	36		B9A	P
D3F	141 230 817 0000	00	1.2	3	150	60	1.7	0.6		B9A	P
D4	842 310 000 0000	00	4	3	200		4	3.3		B5	T
D13U	023 100 080 0000	40	13	5	250		6	2.5		8SC	T
D41	9X2 310 000 0000	00	4				15			B5	DD
D42	912 300 000 0000	00	4				15			B4	D
D43	012 300 000 0000	90	4				15			B5	D
D61	289 174 130 0000	00	6.3	2	250	125	5	1.8		B8A	DP
D63	029 1X0 310 0000	00	6							A08	DD
D77	1X2 310 900 0000	00	6							B7G	DD
D105	284 300 000 0000	00	1	18	150		8	2		UX4	T
D105	842 300 000 0000	00	1	18	150		8	2		B4	T
D110	284 300 000 0000	00	4	40	250		40	2.7		UX4	T
D110	842 300 000 0000	00	4	40	250		40	2.7		B4	T
D121	289 174 130 0000	00	12.5	2	200	90	5	2		B8A	DP
D143	842 370 000 0000	00	1	1	100	150		1.2		B5	P
D152	1X2 310 900 0000	00	6							B7G	RR
D210	842 300 000 0000	00	2	3	150		3.5	1.2		B4	T
D210SW	803 200 000 0000	40	2	4.5	150		2.4	1.3		B4	T
D243	842 370 000 0000	00	2.5	27	300	200	20	2		B5	P
D400	9X2 310 000 0000	00	4							B5	DD
D401	X02 310 000 0000	90	4							B4	DD
D404	384 200 000 0000	00	4	40	250		40	2.7		UX4	T
D404	842 300 000 0000	00	4	40	250		40	2.7		B4	T
D410	842 300 000 0000	00	4	3	150		3.5	0.5		B4	T
D418	102 300 000 0000	90	4							B4	D
D604	023 191 X10 0000	00	6							8SC	DD
DA	000 231 800 0000	40	13	2.6	200		3.7	2.2		B7	T
DA1	842 300 000 0000	00	2	1	40		0.3	0.4		SM4	T
DA2	842 300 000 0000	00	2	2.1	40		1.2	0.5		SM4	T
DA3	842 300 000 0000	00	2	2.8	40		1.8	0.6		SM4	T
DA30	842 300 000 0000	00	4	70	300		60	3.5		B5	T
DA42	214 300 000 0000	80	7.5		400			3		B4	T
DA90	291 009 300 0000	00	1.4				5			B7G	R
DA101	200 900 300 0000	00	1.2							B7G	D
DA406	742 300 000 0000	80	4	2.5	150	75	3	0.8		B4	P
DAC1	023 009 080 0000	40	1.4		90		0.1	0.3		8SC	DT
DAC21	208 009 030 0000	40	1.4		100		0.7	0.4		A08	DT
DAC22	284 009 030 0000	00	1.2		90		0.3	0.3		B8G	DT
DAC25	284 229 230 0000	00	1.2		150		0.6	0.3		A08	DT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
DAC31	038 090 200 0000	40	1.4		90		0.4	0.3		A08	DT
DAC32	038 090 200 0000	40	1.4		90		0.1	0.3		A08	DT
DAF1	902 382 470 0000	00	1.2		150	60	1.4			F8	DP
DAF11	902 382 470 0000	00	1.2		90	50	0.8	0.5		F8	DP
DAF40	289 374 230 0000	00	1.4		75	75	0.8	0.7		B8A	DP
DAF41	289 374 230 0000	00	1.4	1	75	75	0.8	0.7		B8A	DP
DAF70	804 239 070 0000	00	1.2		60	60	0.8	0.4		B8D	DP
DAF91	209 784 300 0000	00	1.4	1	90	90	2	0.7		B7G	DP
DAF92	287 904 300 0000	00	1.4	1	90	90	2	0.7		B7G	DP
DAF96	209 784 300 0000	00	1.4	1.5	60	60	0.2	0.2		B7G	DP
DAF191	209 784 300 0000	00	1.4		60	60	2.2	0.7		B7G	DP
DAF961	209 784 300 0000	00	1.2		60	60	2.2	0.7		B7G	DP
DAS1	742 300 000 0000	80	2	2.7	150	125	1.5	0.6		SM4	P
DB	548 230 800 0000	00	25		250		40			B7	TT
DB3	843 200 000 0000	00	1.5	2.8	40		1.8	0.6		Sm4	T
DBC21	208 0X9 030 0000	40	1.4	1.5	150		1.6	0.9		A08	DDT
DBC25	209 X04 830 0000	00	1.2	1.5	150		1.6	0.9		B8B	DDT
DBC31	028 X90 300 0000	40	1.4	1.5	150		1.6	0.9		A08	DDT
DBS1	743 200 000 0000	80	1.5	2.7	120	60	1.5	0.6		Sm4	P
DC2/HLDD	90X 231 800 0000	40	25	1	200			2		B7	DDT
DC2P	842 310 000 0000	00	35	13.5	200		17	3.7		B5	T
DC2/Pen	047 231 800 0000	00	35	10	250	200	30	2.5		B7	P
DC2/Pen	842 310 000 0000	70	35	10	250	200	30	2.5		B5	P
DC2SG	742 310 000 0000	80	20	1	200	75	5.5	1.8		B5	P
DC2SGVM	742 310 000 0000	80	20	2	200	60	5.8	1.5		B5	P
DC3HL	842 310 000 0000	00	25	1	90		0.3	0.4		B5	T
DC11	802 302 400 0000	00	1.2	2.5	90		2	1		F8	T
DC25	280 024 030 0000	00	1.2	3.5	100		1.8	0.8		B8B	T
DC70	400 230 080 0000	00	1.2	4.5	150		14.5	3.7		B8D	T
DC80	402 230 080 0000	00	1.2	3.5	150		20	3.5		B9A	T
DC90	288 044 300 0000	00	1.4	3	90		3	1.1		B7G	T
DC93	204 038 200 0000	00	1.4	5	100		10	2.4		B7G	T
DC96	288 044 300 0000	00	1.4	2.5	90		2.1	1		B7G	T
DC193	204 038 200 0000	00	1.4	5	100		10	2.4		B7G	T
DC90	285 348 200 0000	00	1.4	2.5	90		3.7	1.8		B7G	TT
DCH1	{ 208 740 830 0000 208 750 030 0000	{ 50 50	{ 1.4 1.4		{ 60 150	{ 125 125	{ 2.1 1	{ 1.4 1	{	{ A08 F8	{ TH TH
DCH11	{ 842 382 570 0000 052 382 570 0000	{ 00 00	{ 1.2 1.2	4	{ 90 150	{ 60 60	{ 0.8 1		{	{ F8 A08	{ TH TH
DCH21	{ 208 740 830 0000 208 750 030 0000	{ 50 50	{ 1.4 1.4		{ 60 90	{ 60 60	{ 2.1 1	{ 1.4 1	{	{ A08 A08	{ TH TH
DCH22	{ 288 475 030 0000 280 575 030 0000	{ 00 00	{ 1.2 1.2		{ 60 90	{ 50 50	{ 1.4 0.7		{	{ A08 A08	{ TH TH
DCH25	{ 288 475 230 0000 280 575 230 0000	{ 00 00	{ 1.4 1.4		{ 60 90	{ 60 60	{ 2 1	{ 1.3 1	{	{ A08 A08	{ TH TH
DCH31	{ 028 748 300 0000 028 750 300 0000	{ 50 50	{ 1.4 1.4		{ 60 90	{ 60 60	{ 2.1 1	{ 1.4 1.4	{	{ A08 B5	{ TH T
DC/HL	842 310 000 0000	00	6	1	100			3		B5	T
DC/P	842 310 000 0000	00	8	1	200			4.5		B5	T
DC/SG	742 310 000 0000	80	6		150	75		2.7		B5	P
DD4	9X2 310 000 0000	00	4							B5	DD
DD4D	0X1 231 900 0000	00	4							B7	DD
DD6	9X2 310 000 0000	00	6							B5	DD
DD6	1X2 310 900 0000	00	6							B7G	DD
DD6DS	023 190 X10 0000	00	6							8SC	DD
DD6G	1X2 310 900 0000	00	6							B7G	DD
DD13	9X2 310 000 0000	00	13				5			B5	DD
DD41	21X 090 130 0000	00	4							M08	RR
DD101	21X 090 130 0000	00	10							M08	DD
DD207	9X2 300 000 0000	00	2							B4	DD
DD465	X02 310 000 0000	90	4							B5	DD

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _g mA/V	ADDENDA	BASE	TYPE
DD620	9X2 310 000 0000	00	6							B5	DD
DD818	9X2 310 000 0000	00	8							B5	DD
DD960	204 038 200 0000	00	1.4	3	60		9	2.4		B7G	T
DDA1	9X2 310 000 0000	00	4							B5	DD
DDD11	852 302 480 0000	00	1.2	4.5	150		1.5	1.0		F8	TT
DDD25	208 548 030 0000	00	1.4	1.5	100		3.5	1.2		A08	TT
DDL4	9X2 310 000 0000	00	4				5			B5	RR
DDP4B	X89 231 700 0000	40	4	5	250	250	36	8		B7	DDP
DDP4M	X19 238 700 0000	40	4	5	250	250	36	8		B7	DDP
DD/Pen	94X 231 700 0000	80	4	2.5	200	100	5	2.7		B7	DDP
DDPP4B	98X 231 700 0000	40	4	5	250	250	36	10		B7	DDP
DDPP4BS	023 19X 780 0000	40	4	5	250	250	36	10		8SC	DDP
DDPP4M	98X 231 700 0000	40	4	5	250	250	36	10		B7	DDP
DDPP6B	X89 231 700 0000	40	6	6	250	250	36	9.5		B7	DDP
DDPP6BS	023 19X 780 0000	40	6	5	250	250	36	10		8SC	DDP
DDPP39	X89 231 700 0000	40	39	8	200	200	45	8.5		B7	DDP
DDPP39M	X19 238 700 0000	40	39	8	200	200	45	8.5		B7	DDP
DDPP39S	023 1X9 780 0000	40	44	8	200	200	45	8.5		8SC	DDP
DDR2	278 101 403 0000	00	6	5	250	250	40	12		B9G	P
DDR3	912 390 000 0000	00	6				60			B7G	R
DDR7	412 380 700 0000	00	6	12.5	250	250	16	2.6		B7G	P
DDT	X09 231 800 0000	40	4	3	200		3.4	2.4		B7	DDT
DDT2	892 3X0 000 0000	40	2	3	150		1	1.4		B5	DDT
DDT2B	892 3X0 000 0000	40	2	4.5	150		2.5	1		B5	DDT
DDT2BS	023 09X 080 0000	40	2	4.5	150		2.5	1		8SC	DDT
DDT4	90X 231 800 0000	40	4	3	150			2.5		B7	DDT
DDT4(S)	X09 231 800 0000	40	4	5	200		3	3.6		B7	DDT
DDT4(S)	023 1X9 080 0000	40	4	5	250		4	3.6		8SC	DDT
DDT6	90X 231 800 0000	40	6	5.5	250		4	2		B7	DDT
DDT6S	023 19X 080 0000	40	6	5.5	250		5	2		8SC	DDT
DDT13	X09 321 800 0000	40	13	4	200		5	2		B7	DDT
DDT13S	023 19X 080 0000	40	13	5	200		4	3.6		8SC	DDT
DDT16	90X 231 800 0000	40	16	3	200		5	2.5		B7	DDT
DDT213	90X 231 800 0000	40	13	4	200		5	2.2		B7	DDT
DDT215	892 3X0 000 0000	40	2	3	150		3	1.6		B5	DDT
DDT220	892 3X0 000 0000	40	2.5	4.5	150		2.5	1		B5	DDT
DE1	284 130 000 0000	00	2.5	21	250		5.2	1		UX5	T
DE5	290 300 000 0000	00	2.5				120			UX4	R
DET19	205 140 300 0000	88	6		300		25	2.1		UX7	TT
DET20	020 000 310 0000	84	6	5.5	250		12	3		A08	T
DF1	032 000 780 0000	40	1.4		90	90	1.2	0.7		8SC	P
DF11	802 302 470 0000	00	1.2		90	50	0.9	0.6		F8	P
DF16	874 230 000 0000	00	0.6		20	20	0.3	0.3		B5A	P
DF21	208 701 030 0000	40	1.4		90	90	1.2	0.7		A08	P
DF22	208 701 030 0000	40	1.4	1.5	90	90	1.4	1.1		A08	P
DF23	287 114 130 0000	00	1.2	1.5	90	60	0.6	0.6		A08	P
DF25	287 114 130 0000	00	1.2	0.5	150	60	1	0.6		A08	P
DF26	287 114 130 0000	00	1.2	1.1	150	90	1.2	0.3		A08	P
DF31	028 710 300 0000	40	1.4		90	90	1.2	0.6		A08	P
DF32	028 710 300 0000	40	1.4	1.5	90	90	1.4	1.1		A08	P
DF33	038 700 200 0000	40	1.4	0.5	90	90	0.8	0.7		A08	P
DF51	742 300 000 0000	80	1.5		40	12	1.1	0.1		SM4	P
DF60	872 430 000 0000	00	1.2	2	60	60	0.5	0.8		B5A	P
DF61	872 430 000 0000	00	1.2	1	60	60	0.9	0.8		B5A	P
DF62	872 430 000 0000	00	1.2	1	90	90	7.4	2		B5A	P
DF63	872 430 000 0000	00	1.2	2.5	90	90	1.2	0.4		B5A	P
DF70	040 230 870 0000	00	0.6		40	40	0.4	0.2		B8D	P
DF72	040 230 870 0000	00	1.2		60	60	1.7	1		B8D	P
DF73	040 230 870 0000	00	1.2		90	75	1.7	0.8		B8D	P
DF91	287 024 300 0000	00	1.4		90	75	3.5	0.9		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
DF92	287 024 300 0000	00	1.4	2	90	60	1.9	0.7		B7G	P
DF95	287 024 300 0000	00	1.4	1	90	75	3.7	1		B7G	P
DF96	287 024 300 0000	00	1.4	0.8	75	75	1.4	0.6		B7G	P
DF97	287 224 300 0000	00	1.4		60	60	1.7	0.8		B7G	P
DF161	028 710 300 0000	40	0.7		20	20	0.3	0.8		A08	P
DF167	873 420 000 0000	00	0.6		20	20	0.1			B5A	P
DF191	287 024 300 0000	00	1.4		60	60	4.2	1		B7G	P
DF668	872 430 000 0000	00	1.2	1.6	90	90	5.7	2.3		B5A	P
DF669	872 430 000 0000	00	1.2		60	60	1.8	1.1		B5A	P
DF904	287 024 300 0000	00	1.4		90	90	1.6	0.9		B7G	P
DF906	287 304 300 0000	00	1.4		40	40	3	1.7		B7G	P
DF961	287 024 300 0000	00	1.2		60	60	3.4	0.8		B7G	P
DF950	248 778 530 0000	00	1.4	1.1	20	20	2.2	1.2		A08	PP
DF951	248 778 530 0000	00	1.4		20	20	2.1	0.7		A08	PP
DF9101	834 782 500 0000	00	1.4		40	40	1	0.2		B7G	PP
DG210	842 370 000 0000	00	2	1.5	100	20	1	1		B5	P
DH	842 310 000 0000	00	16	3	200		6	3.7		B5	T
DH30	X09 231 800 0000	40	13	2	200		2.8	4.5		B7	DDT
DH42	X09 231 800 0000	40	4	3	250		1.1	1.2		B7	DDT
DH63	028 9X0 310 0000	40	6	3	250		1.1	1.2		A08	DDT
DH73	028 9X0 310 0000	40	6	3	250		4.5	2		A08	DDT
DH74	028 9X0 310 0000	40	13	3	250		1.1	1.2		A08	DDT
DH76	028 9X0 310 0000	40	13	3	250		1.1	1.2		A08	DDT
DH77	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
DH81	284 0X9 130 0000	00	6	3	250		1	1.2		B8B	DDT
DH101	284 0X9 130 0000	00	19	3	250		1	1.2		B8B	DDT
DH107	412 39X 800 0000	00	19	3	250		1	1.2		B7G	DDT
DH109	YX1 239 148 0000	00	28	2.3	200		1	1.4		B9A	DDDT
DH118	284 09X 130 0000	00	13	1	100		0.8	1.4		B8A	DDT
DH119	841 239 0X0 0000	00	13	0.7	100		0.8	1.4		B9A	DDT
DH142	284 0X9 130 0000	00	14	1.6	200		1.4	1.6		B8A	DDT
DH147	028 9X0 310 0000	40	6	5.5	250		5	2		A08	DDT
DH149	284 1X9 130 0000	00	6	1	250		1.3	1		B8A	DDT
DH150	284 0X9 130 0000	00	6	3	250		10	1.3		B8A	DDT
DH718	284 09X 130 0000	00	6.3	3	250		1	1.3		B8A	DDT
DH719	X91 23Y 148 0000	00	6	3	250		1	1.3		B9A	DDDT
DHD	X09 231 800 0000	40	16	3.2	200		3.2	2.2		B7	DDT
DHL	842 310 000 0000	00	16	1.5	150		3.8	4.5		B5	T
DK1	023 084 780 0000	40	1.4		90	50	1.8	0.5		8SC	H
DK21	208 740 830 0000	40	1.4	2	60	60	4.5	1.4		A08	H
DK32	038 748 200 0000	40	1.4		90	50	1.8	0.5		A08	H
DK40	287 474 030 0000	00	1.4	2	75	75	0.9	0.7		B8A	P
DK91	288 424 300 0000	00	1.4	4	75		4.5	1.2		B7G	H
DK92	288 484 300 0000	00	1.4	4	60		4	1.2		B7G	H
DK96	287 481 300 0000	00	1.4	1.5	75	50	1	0.4		B7G	H
DK192	287 474 300 0000	00	1.4		60	60				B7G	H
DL	842 310 000 0000	00	6	8	200		25	4.5		B5	T
DL1	023 004 780 0000	00	1.4	3	90	90	4	1.2		8SC	P
DL2	032 004 780 0000	00	1.4	7.5	90	90	7.5	1.5		8SC	P
DL11	802 302 470 0000	00	1.2	4.4	90	90	3.7	1		F8	P
DL21	208 740 030 0000	00	1.4	3	90	90	4	1.3		A08	P
DL22	287 004 330 0000	00	1.2	4	150	125	5	1.6		A08	P
DL25	287 204 330 0000	00	1.2	4.7	150	125	4.5	2.1		A08	P
DL29	287 004 320 0000	00	1.4	4.5	90	90	9.5	2.4		B8G	P
DL31	038 740 200 0000	00	1.4	3	90	90	4	1.2		A08	P
DL33	038 740 320 0000	00	1.4	4.5	90	90	9.5	2.2		A08	P
DL35	038 740 200 0000	00	1.4	7.5	90	90	7.5	1.5		A08	P
DL36	038 740 200 0000	00	1.4	4.5	90	90	9.5	2.2		A08	P
DL41	380 074 220 0000	00	1.4	5.8	150	125	5	1.3		B8A	P
DL63	028 9X0 310 0000	40	6	3	250		4.2	1.6		A08	DDT
DL64	872 430 000 0000	00	1.2	1.5	20	20	0.2	0.2		B5A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
DL65	387 420 000 0000	00	1.2	0.2	20	20	0.5	0.4		B5A	P
DL66	873 420 000 0000	00	1.2	1.4	20	20	0.3	0.3		B5A	P
DL67	873 420 000 0000	00	1.2	0.2	20	20	0.5	0.4		B5A	P
DL68	873 420 000 0000	00	1.2	2.2	20	20	0.6	0.4		B5A	P
DL69	872 430 000 0000	00	1.2	2.5	90	90	1.7	0.8		B5A	P
DL70	040 230 870 0000	00	1.2	7.5	150	90	7.5	1.9		B8D	P
DL71	040 230 870 0000	00	1.2	1.2	40	40	0.6	0.5		B8D	P
DL72	040 230 870 0000	00	1.2	4.5	40	40	1.2	0.5		B8D	P
DL73	040 230 870 0000	00	1.2	9	100	100	15	2.5		B8D	P
DL74	028 9X0 310 0000	40	13	3	250		5.1	1.6		A08	DDT
DL75	040 230 870 0000	00	1.2	2.5	90	90	1.7	0.8		B8D	P
DL82	284 0X9 130 0000	00	6	3	250		5	1.4		B8B	DDT
DL91	284 728 300 0000	00	1.4	7	90	75	7.4	1.6		B7G	P
DL92	284 738 200 0000	00	1.4	7	90	75	7.4	1.6		B7G	P
DL93	387 428 300 0000	00	1.4	8.4	150	90	13.3	1.9		B7G	P
DL94	387 024 300 0000	00	1.4	4.5	90	90	9.5	2.1		B7G	P
DL95	284 738 200 0000	00	1.4	4.5	90	90	9.5	2.1		B7G	P
DL96	287 034 200 0000	00	1.4	5.2	90	90	5	1.4		B7G	P
DL98	724 332 800 0000	00	1.25	10	150	125	30	2.2		B7G	P
DL101	038 740 210 0000	00	1.4		100	100	10	2.5		B8A	P
DL145	284 0X9 130 0000	00	15	5.9	250		5	2.3		B8A	DDT
DL161	874 230 000 0000	00	1.4		20	20	0.5	0.5		B5A	P
DL167	873 420 000 0000	00	1.2		20	20	0.5	1.5		B5A	P
DL192	284 738 200 0000	00	1.4	7	60	60	7	1.5		B7G	P
DL193	287 438 200 0000	00	1.4	7.5	100	60	9.5	2.9		B7G	P
DL620	873 420 000 0000	00	1.2	6.5	60	60	3.1	0.6		B5A	P
DL650	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
DL651	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
DL907	387 004 200 0000	00	1.4	5.5	150	125	15	3.1		B7G	P
DL962	284 738 200 0000	00	1.4	7	60	60	7	1.5		B7G	P
DL963	287 438 200 0000	00	1.2	7.5	150	60	10	2.2		B7G	P
DLL21	248 758 330 0000	00	114	8.7	150	125	1			A08	PP
DLL25	048 758 230 0000	00	1.4	9.4	250	125	17			B8G	PP
DLL31	328 458 270 0000	00	1.4	5	90	90	3			A08	PP
DLL101	284 785 300 0000	00	1.4	7	90	60	8.2	1.1		B7G	PP
DLL102	284 785 300 0000	00	1.4		40	40	1.3	0.5		B7G	PP
DLP51	023 004 780 0000	10	4	17	250	250	36	2.5		8SC	P
DM21	028 740 030 0000	00	1.4		90	90	0.03		Ra=2MΩ	A08	TI
DM70	400 230 080 0000	00	1.4	23	200		0.1		Ra=1MΩ	B8D	TI
DM71	400 230 080 0000	00	1.4	23	200		0.1		Ra=1MΩ	B8D	TI
DN41	X89 231 700 0000	40	4	3.3	250	200	32	10		B7	DDP
DN143	284 7X9 130 0000	00	6	6.2	250	275	44	9.5		B8B	DDP
DO24	842 300 000 0000	00	4	40	400		63	7.5		B4	T
DO25	842 300 000 0000	00	6	75	300		60	3.7		B4	T
DO26	842 300 000 0000	00	4	92	400		63	3.8		B4	T
DO30	842 300 000 0000	00	4	100	400		60	6.9		B4	T
DO42	X19 238 700 0000	40	4	6	250	250	36	9.5		B7	DDP
DP	284 009 030 0000	00	16	7.5	200		25	6		A08	DT
DP5	842 370 000 0000	00	4	5	250	250	10	4		B5	P
DP7	023 004 780 0000	00	4	20	250	250	20	2.5		8SC	P
DP61	412 387 100 0000	00	6	8.5	200	125	7.7	5.1		B7G	P
DP495/6	98X 231 700 0000	40	4	6.5	250	250	35	9.5		B7	DDP
DP4480	91X 238 700 0000	40	44	8.4	200	200	46	8		B7	DDP
DP/Pen	047 231 800 0000	00	16	10	200	200	31	3.5		B7	P
DPT	047 213 800 0000	00	16	10	200	200	40	3.1		B7	P
DPT	642 310 000 0000	70	16	10	200	200	40	3		B5	P
DS	742 310 000 0000	80	16	1.5	200	75	2.8	1.1		B5	P
DS	000 231 800 0000	40	13	3	200		4	2.5		B7	T
DSB	742 310 000 0000	80	16	1	150	90	3.4	3.2		B5	P
DSFen	081 231 700 0000	40	16	1.5	200	100	4	2.3		B7	P
DT7	842 300 000 0000	00	4	16	200		14	2		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
DT41	90X 321 800 0000	40	4	1	100			3		B7	DDT
DT215	023 09X 080 0000	40	2	4.5	150		2.5	1		8SC	DDT
DT215	023 089 060 0000	40	2	4.5	150		2.5	1		8SC	DDT
DT436	90X 231 800 0000	40	4	7	250		4	3.6		B7	DDT
DT436	023 1X9 080 0000	40	4	7	250		4	2		8SC	DDT
DT1336	023 1X9 080 0000	40	13	5	200		4	2		8SC	DDT
DTV1	90X 231 800 0000	40	13	1	100			3		B7	DDT
DU1	902 300 000 0000	00	4				30			B4	R
DU2	9X2 300 000 0000	00	4				30			B4	RR
DU3	9X2 300 000 0000	00	4				15			B4	RR
DU4	9X2 300 000 0000	00	4				30			B4	RR
DU5	9X2 300 000 0000	00	4				30			B4	RR
DU10	902 300 000 0000	00	4				60			B4	R
DVSG	742 310 000 0000	80	16	1	200	75	7.5	2.5		B5	P
DVS/Pe _n	742 310 000 0000	80	16	1.5	200	100	6.5	1		B5	P
DW1	9X2 300 000 0000	00	4				15			B4	RR
DW2	9X2 300 000 0000	00	4				30			B4	RR
DW2X	9X2 300 000 0000	00	4				30			B4	RR
DW3	9X2 300 000 0000	00	4				60			B4	RR
DW4	9X2 300 000 0000	00	4				60			B4	RR
DW4/350	9X2 300 000 0000	00	4				60			B4	RR
DW4/500	9X2 300 000 0000	00	4				60			B4	RR
DW5	902 300 000 0000	00	4				120			B4	R
DW7X	9X2 300 000 0000	00	4				30			B4	RR
DW8	9X2 300 000 0000	00	5				30			B4	RR
DW15	9X2 300 000 0000	00	7.5				30			B4	RR
DW30	9X2 300 000 0000	00	7.5				60			B4	RR
DW802	842 300 000 0000	00	4	25	250		26	4		B5	T
DW1508	842 310 000 0000	00	4	7.5	150		4	1.5		B5	T
DW4011	842 310 000 0000	00	4	5	200		5	3.6		B5	T
DW4023	842 310 000 0000	00	4	3	150		2.5	1.7		B5	T
DX2	842 300 000 0000	00	2	3	150		3.5	1.4		B4	T
DY30	020 000 300 0000	90	1.2							A08	D
DY51	230 000 000 0000	90	1.4							B3G	D
DY70	230 000 000 0000	90	1.2							B3G	D
DY80	230 232 032 0000	90	1.2							B9A	D
DY86	230 232 032 0000	90	1.4							B9A	D
DY87	230 232 032 0000	90	2.4							B9A	D
DY604	842 300 000 0000	00	4	15	150		8	1.3		B4	T
DY802	230 232 032 0000	90	1.4							B9A	D
DZ2	742 300 000 0000	80	4	1	200	100	4	0.7		B4	P
E	842 300 000 0000	00	4	9	200		1.7	0.4		B4	T
E	284 300 000 0000	00	3	22.5	125		6.5			UX4	T
E1C	218 49X 130 0000	00	6.3	5	200		4.5	2		A08	DDT
E1F	218 074 300 0000	00	6.3	3	250	100	2	1.4		B7	P
E2e	087 014 023 0000	00	18	3.5	220	220	42	10.5		B9	P
E4	842 300 000 0000	00	4	16	200		12	1.8		B4	T
E4D	9X2 300 000 0000	00	4				30			B4	RR
E4F	9X2 300 000 0000	00	4				60			B4	RR
E4H	902 300 000 0000	00	4				125			B4	R
E4K	003 200 000 0000	90	4				60			B5	R
E4L	003 200 000 0000	90	4				120			B5	R
E20V	023 100 090 0000	00	20				60			8SC	R
E55L	817 231 141 0000	00	6.3		150	150	50	45		B9D	P
E80CC	841 338 512 0000	00	6.3	5.5	250		6	2.8		B9A	TT
E80CF	857 238 114 0000	00	6.3	2	100		14	5		} B9A	TP
E8CF	701 238 014 0000	00	6.3	1.6	250	175	10	6.2			
E80L	041 230 871 0000	00	6.3	4.5	200	100	3	1.8			P
E81CC	841 228 513 0000	00	6.3		250	200	30	9			P
E81L	041 230 871 0000	00	6.3	3	200	200	10	5.5			TT
							20	11		B9A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
E82CC	841 228 513 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
E83CC	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT
E83F	741 238 001 0000	00	6.3	2	200	125	10	9		B9A	P
E84L	041 230 807 0000	00	6.3		250	250	48	11		B9A	P
E86C	841 234 148 0000	00	6.3	2	200		12	14		B9A	T
E87L	041 230 871 0000	00	6	6	250	150	36	10		B9A	P
E88C	414 234 484 0000	00	6.3	1.2	150		12.5	13.5		B9A	T
E88CC	841 238 510 0000	00	6.3	1.2	90		15	12.5		B9A	TT
E88CC/01	851 238 410 0000	00	6.3	1.2	100		15	12.5		B9A	TT
E90CC	882 345 100 0000	00	6.3	2.1	100		8.5	6		B7G	TT
E90F	412 387 100 0000	00	6.3	1.2	250	150	7.4	4.6		B7G	P
E91AA	192 310 X00 0000	00	6.3							B7G	D
E91H	412 387 100 0000	00	6.3	5	150	75	0.5	0.6		B7G	H
E92CC	882 345 100 0000	00	6.3	1.7	150		8.5	6		B7G	TT
E95F	412 387 100 0000	00	6.3	2	150	125	7.5	5.5		B7G	P
E99F	412 387 100 0000	00	6.3	20	250	100	9.2	3.8	Ra=1MΩ	B9A	P
E130	028 740 310 0000	00	6.3	15	250	250				A08	TI
E130L	020 740 310 0000	80	6.3	15.5	250	150	100	27		A08	P
E135	387 304 220 0000	00	12.6	25	400		80			A08	P
E180CC	841 228 513 0000	00	6.3	1.9	150		8.5	6.3		B9A	TT
E180F	141 230 817 0000	00	6	2	200	150	13	16.5		B9A	P
E181CC	841 228 513 0000	00	6.3	3	150		8.5	4.7		B9A	TT
E182CC	841 221 538 0000	00	6.3	2	150		36	15		B9A	TT
E184	141 230 871 0000	00	6.3	2.5	200	200	10	15		B9A	P
E186F	141 230 817 0000	00	6.3	1.4	200	150	11.5	16		B9A	P
E188CC	841 328 510 0000	00	6.3	1.4	90		12	11.5		B9A	TT
E220B	548 230 800 0000	00	2	1	150		3	2.5		B7	TT
E235	842 300 000 0000	00	2	7.5	150		13	3		B4	T
E235L	028 740 310 0000	00	6.3	8.2	100	100	100	14		A08	P
E236L	020 740 310 0000	80	6.3	8.2	100	100	100	14		A08	P
E280F	141 230 817 0000	00	6.3	1.8	200	150	20	26		B9A	P
E282F	141 230 817 0000	00	6.3		150	150	35	26		B9A	P
E283CC	148 231 085 0000	00	6.3	2	250		1.2	1.6		B9A	TT
E288CC	851 238 410 0000	00	6.3	1.5	100		30	18		B9A	TT
E405	842 300 000 0000	00	4	32	250		20	2		B4	T
E406	842 300 000 0000	00	4	34	250		8	2.3		B4	T
E406N	842 300 000 0000	00	4	34	250		8	2.3		B4	T
E408	842 300 000 0000	00	4	30	400		26	2		B4	T
E408N	842 300 000 0000	00	4	36	400		30	2.7		B4	T
E409	842 310 000 0000	00	4	16	200		12	1.3		B5	T
E409N	842 310 000 0000	00	4	16	200		12	1.3		B5	T
E41C	842 300 000 0000	00	4	28	400		30	6		B4	T
E414	842 310 000 0000	00	4	6	150		6.5	2		B5	T
E414	842 300 000 0000	00	4	15	150		8	1.3		B4	T
E415	842 310 000 0000	00	4	8	200		6	1.4		B5	T
E415	284 130 000 0000	00	4	8	200		6	1.4		UX5	T
E420	842 300 000 0000	00	4	18	150		11	1.6		B4	T
E422	842 300 000 0000	00	4	16	250		12	5		B4	T
E424	842 310 000 0000	00	4	2.5	200		6	2.4		B5	T
E424N	842 310 000 0000	00	4	3.5	200		6	2.4		B5	T
E424R	812 300 000 0000	40	4	5	200		6	1.6		B4	T
E425	842 310 000 0000	00	4	4.5	150		3	3		B5	T
E428	842 310 000 0000	00	4	3	200		6	2.4		B5	T
E430	842 310 000 0000	00	4	3	150		4	2		B5	T
E430N	842 310 000 0000	00	4	15	200		15	3		B5	T
E435	842 310 000 0000	00	4	1.5	200		3	1		B5	T
E438	842 310 000 0000	00	4	3	200		2.5	1.5		B5	T
E438M	842 310 000 0000	00	4	3	200		2.5	1.5		B5	T
E441	842 310 000 0000	70	4		100	100	1.7	1.0		B5	P
E441N	872 300 000 0000	40	4		100		1.7	1		B4	T
E442	742 310 000 0000	80	4	1.3	200	60	1.5	0.9		B5	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
E442S	742 310 000 0000	80	4	2	200	60	4	1		B5	P
E443H	842 370 000 0000	00	4	40	400	200	30	1.9		B5	P
E444	279 413 000 0000	80	4	3	200	90	4	3		UX6	DP
E444N	279 413 000 0000	80	4	3	100	90	4	3		UX6	DP
E444S	842 310 000 0000	90	4	3.5	200		6	2		B5	DT
E445	742 310 000 0000	80	4	2	200	100	6	1		B5	P
E445M	742 310 000 0000	80	4	2	200	100	6	1		B5	P
E446	742 310 000 0000	80	4	2	200	100	3	2.3		B5	P
E447	742 310 000 0000	80	4	2	200	125	4.5	2.3		B5	P
E448	184 772 300 0000	40	4	1.5	200	125	3	0.6		C7	P
E449	187 472 300 0000	40	4	2	200	75	3	1.8		C7	P
E451	842 370 000 0000	00	4		400	250	17			B4	P
E452T	742 310 000 0000	80	4	2	200	100	3	2		B5	P
E452T	274 130 000 0000	80	4	2	200	100	3	2		UX5	P
E453	047 231 800 0000	00	4	15	250	250	24	2.5		B7	P
E454	218 90X 300 0000	40	4	3.5	200		3.5	1.6		UX7	DDT
E455	742 310 000 0000	80	4	1.5	200	100	3	2		B5	P
E455	274 130 000 0000	80	4	1.5	200	100	3	2		UX5	P
E462	742 310 000 0000	80	4	2	200	100	3	2		B5	P
E463	047 231 800 0000	00	4	22	250	250	36	2.7		B7	P
E499	842 310 000 0000	00	4	1.6	200		0.2	4		D5	T
E501D	287 113 000 0000	40	3.5	2.5	250	125	6.5	3.5		UX6	P
E501R	287 113 000 0000	40	6.3	2.6	250	125	6.5	3.5		UX6	P
E504D	287 413 000 0000	00	5	13.5	250	200	40	3.5		UX6	P
E504P	287 423 000 0000	00	6.3	13.3	250	200	40	3.5		UX6	P
E543	047 231 800 0000	00	4	15	250	250	24	2.5		B7	P
E646	020 090 310 0000	00	26				120			A08	R
E703	842 300 000 0000	00	7.5	100	400		30	1		B5	T
E810F	141 237 817 0000	00	6.3	1.9	150	150	35	50		B9A	P
E851	030 X09 020 0000	00	5				120			A08	RR
E1137	388 448 822 0000	00	6	2.3	250		32	16		B9G	T
E1148	020 000 310 0000	84	6	5.5	250		14	3		A08	T
E1192	021 470 310 0000	80	6	11	250	150	30	3.5		A08	P
E1242	287 711 403 0000	00	6	30	300	250	25	1.9		B9G	P
E1323	020 000 310 0000	84	6	3	100		25	6.7		A08	T
E1413	287 024 300 0000	00	1.4	1	90	75	3.5	0.9		B7G	P
E1478	842 300 000 0000	00	4	1	100			6.9		B5	T
E1484	209 784 300 0000	00	1.4	1	90	90	2.7	0.6		B7G	DP
E1489	241 878 153 0000	00	6		350	250	21	3.9		B9G	PP
E1517	412 381 700 0000	00	6	2.5	200	200	8	2.5		B7G	P
E1518	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
E1606	481 581 230 0000	00	6	8	250		9	2.6		A08	TT
E1624	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
E1654	028 710 310 0000	40	6	1.5	200	200	10.9	8.5		A08	P
E1662	412 380 700 0000	00	6	12	250	250	20	2.6		B7G	P
E1677	002 300 000 0000	90	2				15			B4	R
E1678	028 710 310 0000	40	13	3	250	100	7.6	1.5		B7G	P
E1681	028 740 310 0000	00	15	13	200	175	35	2.5		A08	P
E1682	020 900 310 0000	00	30				120			A08	R
E1706	278 071 483 0000	00	6	8	250	175	80	13		B9G	P
E1709	084 581 230 0000	00	6	2	250		2	1.3		A08	TT
E1733	00X 009 230 0000	00	6				60			B8B	RR
E1736	287 004 130 0000	00	6	4.4	250	250	40	10.5		B8B	P
E1740	20X 009 130 0000	00	6				30			B8B	RR
E1751	1X2 310 900 0000	00	6				5			B7G	RR
E1780	00X 009 230 0000	00	4				30			B8B	RR
E1787C	318 741 120 0000	00	6	9	250	175	50	8		B9G	P
E1794	287 104 130 0000	00	19	3	250	75	2.5	2.8		B9B	P
E1795	290 009 130 0000	00	50				120			B8B	R
E1796	287 004 130 0000	00	80	9.5	200	175	70	10		B8B	P
E1809	287 104 130 0000	00	6	2	250	100	8	2.8		B8B	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDÄ	BASE	TYPE
E1813	284 1X9 130 0000	00	19	3	250		1	1.2		B8B	DDT
E1816	384 728 300 0000	00	1.4	7	90	75	7.4	1.5		B7G	P
E1835	007 231 800 0000	40	13	4.4	250	250	40	10.5		B7	P
E1838	284 1X9 130 0000	00	6	3	250		1	1.2		B8B	DDT
E1848	284 0X9 130 0000	00	6	2	200		10	1.4		B8B	DDT
E1861	041 230 871 0000	00	6.3		200	200	19	10		B9A	P
E1884	002 300 000 0000	90	2				5			B4	R
E1912	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
E1935	241 878 153 0000	00	6	26	250	200	30	3.9		B9G	FP
E1938	902 30X 100 0000	00	6				30			B7G	RR
E1976	412 381 700 0000	00	19	2.5	200	200	8	2.5		B7G	P
E1984	412 380 700 0000	00	6	5.5	250	250	30	10		B7G	P
E1985	291 009 300 0000	00	40				60			B7G	R
E1987	412 380 700 0000	00	40	8	200	150	50	10		B7G	P
E1994	581 481 230 0000	00	13	8	250			2.6		A08	TT
E2004	020 000 300 0000	90	1.2							A08	R
E2020N	842 310 000 0000	00	20	18	200		15	1.5		B5	T
E2047	412 381 700 0000	00	12.5	2.5	200	200	8	2.5		B7G	P
E2122	X02 309 100 0000	00	6				30			B7G	RR
E2128	241 878 153 0000	00	19	16.5	250	150	30	3.9		B9G	FP
E2134	412 380 700 0000	00	6		200	200	55	9.5		B7G	P
E2153	412 380 700 0000	00	13	8	200	150	50	10		B7G	P
E2178	001 230 009 0000	00	20				120			B9A	R
E2179	041 230 071 0000	80	20	12	150	150	50	8.5		B9A	P
E2185	028 040 310 0000	00	6	8	250		9	2.6		A08	T
E2223	000 230 009 0000	00	25				120			B9A	R
E2256	001 230 009 0000	00	20				120			B9A	R
E2382	021 040 370 0000	80	52		150	150	100	16		A08	P
E2754	802 441 443 0000	00	6.3	1.6	150		25	25		B9A	T
E2965	241 878 153 0000	00	6.3	18	300	200	40	3.7		B9G	FP
E7002	000 230 000 0000	90	1.4				60			B9A	R
E7003	000 230 000 0000	90	6.3							B9A	D
E7004	192 310 X00 0000	00	6.3				5			B7G	DD
E7005	901 230 X00 0000	00	6.3							B9A	DD
E7006	901 230 X00 0000	00	6.3				30			B9A	RR
E7007	000 230 009 0000	10	17				120			B9A	R
E7010	001 230 009 0000	00	55				120			B9A	R
E7011	001 230 009 0000	00	38				180			B9A	R
E7013	802 304 100 0000	00	6.3	2	250		20	5.5		B7G	T
E7014	802 304 100 0000	00	9.4	2	250		10	5.5		B7G	T
E7015	841 228 513 0000	00	6.3		100		11	3		B9A	TT
E7017	841 228 513 0000	00	6.3	1	100		0.5	1.2		B9A	TT
E7019	148 235 118 0000	00	6.3	1.5	90		12	6		B9A	TT
E7020	841 238 510 0000	00	6.3	2.3	250		10	5.9		B9A	TT
E7022	841 238 510 0000	00	7	1.2	90		15	12.5		B9A	TT
E7023	148 235 118 0000	00	7	1.5	100		12	6		B9A	TT
E7024	841 238 510 0000	00	9	2.1	200		10	5.8		B9A	TT
E7025	841 238 510 0000	00	26	2.1	200		10	5.8		B9A	TT
E7026	141 230 871 0000	00	6.3	2	150	150	10	7.4		B9A	P
E7027	701 238 014 0000	00	6.3	2	250	150	3	2.5		B9A	P
E7032	128 740 310 0000	00	6.3	100	250	250	100	11		A08	P
E7033	041 230 071 0000	80	6.3	38.5	250	250	32	4.6		A08	P
E7034	741 231 800 0000	00	6.3		200	200	36	10		B9A	P
E7040	020 740 310 0000	80	25	21	150	150	100	11		A08	P
E7041	041 230 071 0000	80	21.5	24	150	150	45	6.5		B9A	P
E7043	741 231 800 0000	00	15	2.3	150	150	36	10		B9A	P
E7044	041 230 807 0000	00	16	6	200	200	34	10		B9A	P
E7050	741 238 9X1 0000	00	6.3	2	250	100	9	3.8		B9A	DDP
E7051	857 238 114 0000	00	6.3	1	150		18	8.5		} B9A	TP
				1	150	100	10	5.2			
E7053	415 238 718 0000	00	6.3	22.5	100		3.5	2.2			
					250	250	28	5		B9A	TP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _g mA/V	ADDENDA	BASE	TYPE
E7054	9X1 23Y 148 0000	00	28	1.8	175		1	1.4		B9A	DDDT
E7055	415 238 718 0000	00	16	{ 11.5	100		3.5	2.2	}	B9A	TP
E7056	857 238 114 0000	00	9.5		150	150	41	7.5		B9A	TP
E7057	741 238 9X1 0000	00	19	1	150	100	10	5.2	}	B9A	DDP
E7059	415 238 718 0000	00	50	2	250	100	9	3.8		B9A	DDP
				{ 16	100		3.5	2.2	}	B9A	TP
					200	200	35	6.8			
E7060	288 044 300 0000	00	1.4	2.5	90		2.1	1		B7G	T
E7062	287 024 300 0000	00	1.4		90	90	1.6	0.8		B7G	P
E7066	200 784 300 0000	00	1.4		90	90	1.1	0.4		B7G	P
E7071	000 230 000 0000	90	6.3							B9A	D
E7072	000 230 009 0000	10	6.3				180			B9A	R
E7073	000 230 009 0000	10	26				180			B9A	R
E7074	841 234 148 0000	00	6.3	1.5	150		12	14		B9A	T
E7075	841 234 148 0000	00	3.8	1.5	150		12	14		B9A	T
E7076	841 238 510 0000	00	6.3	0.4	12.6		1	2.6		B9A	TT
E7078	041 230 871 0000	00	6.3	2	250	100	9	4.4		B9A	P
E7079	041 230 871 0000	00	12.6	1	150	100	12	4.4		B9A	P
E7081	020 740 310 0000	80	6.3	21	150	150	100	11		A08	P
E7087	481 238 157 0000	00	15	{ 1.7	200		3	4	}	B9A	TP
					150	150	18	11			
E7088	481 238 157 0000	00	6.3	{ 1.7	200		3	4	}	B9A	TP
E7108	701 238 014 0000	00	6.3		150	150	18	11			B9A
				2	250	150	3	2			
E7109	141 230 817 0000	00	6.3	1.1	200	150	13	16.5		B9A	P
E7110	141 230 871 0000	00	6.3	3.5	250	250	10	6.8		B9A	P
E7143	412 314 800 0000	00	3.1	1	200		11.5	6.7		B7G	T
E7144	814 238 510 0000	00	6.3	1.2	90		15	12.5		B9A	TT
E7145	701 238 014 0000	00	6.3	2	50	50	1.8			B9A	P
EA40	200 900 130 0000	00	6				5			B8A	R
EA50	123 000 000 0000	90	6							B3G	D
EA63	741 231 800 0000	00	6.3	5.5	250	250	36	10.5		B9A	P
EA76	291 390 000 0000	00	6				5			B5B	R
EA111	023 010 000 0000	90	6.3				60			F8	R
EA962	200 100 300 0000	90	6.3							B7G	D
EAA11	912 300 1X0 0000	00	6.3				5			F8	RR
EAA91	192 311 X00 0000	00	6.3				5			B7G	DD
EAA171	122 913 3X0 0000	00	6.3		200		10			B8B	DD
EAA901	192 310 X00 0000	00	6.3							B7G	DD
EAA901S	192 310 X00 0000	00	6.3							B7G	DD
EAB1	023 1Y0 9X0 0000	00	6							8SC	DDD
EABC80	YX1 239 148 0000	00	6	3	250		1	1.2		B9A	DDDT
EAC91	912 314 800 0000	00	6	3.2	200		7.4	2.8		B7G	DT
EAF21	287 914 130 0000	00	6.3	2	250	100	6	2.8		B8G	DP
EAF41	289 174 130 0000	00	6	4	250	100	5	1.8		B8A	DP
EAF42	289 174 130 0000	00	6	2	250	100	5	1.8		B8A	DP
EAF801	741 238 091 0000	00	6.3	2	250	200	9	3.8		B9A	DP
EB4	023 190 X10 0000	00	6							8SC	DD
EB11	902 301 1X0 0000	00	6							F8	DD
EB34	02X 190 310 0000	00	6				5			A08	DD
EB40	209 0X0 130 0000	00	6							B8A	DD
EB41	201 X09 130 0000	00	6				5			B8A	RR
EB91	1X2 310 900 0000	00	6							B7G	DD
EB111	023 004 080 0000	00	4	50	250		60			F8	T
EBC1	023 1X9 080 0000	40	6	7	250		4	2		8SC	DDT
EBC3	023 19X 080 0000	40	6	5.5	250		5	2		8SC	DDT
EBC11	9X2 301 480 0000	00	6	8	250		5	2.2		F8	DDT
EBC21	284 09X 130 0000	00	6	5.5	250		5	2		B8B	DDT
EBC30	023 19X 080 0000	40	6	4.3	200		4	2		8SC	DDT
EBC33	028 9X0 310 0000	40	6	5.5	250		5	2		A08	DDT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _o mA	I _m mA/V	ADDENDA	BASE	TYPE
EBC41	284 09X 130 0000	00	6	3	250		1	1.3		B8A	DDT
EBC51	39X 080 420 0000	00	6.3	7.3	250		70	4		B9G	DDT
EBC80	841 239 0X0 0000	00	6.3	3	250		1	1.2		B9A	DDT
EBC81	841 239 0X0 0000	00	6	3	250		1	1.2		B9A	DDT
EBC90	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
EBG91	412 39X 800 0000	00	6	2	250		1.2	1.6		B7G	DDT
EBF1	023 19X 780 0000	40	6	3	250	125	9	1.1		8SC	DDP
EBF2	023 19X 780 0000	40	6	2	250	100	5	1.8		8SC	DDP
EBF2G	208 79X 130 0000	40	6.3	2	250	100	5	1.8		A08	DDP
EBF11	9X2 381 470 0000	00	6	2	250	100	5	1.8		F8	DDP
EBF15	X92 381 470 0000	00	6	2	250	100	12	5		F8	DDP
EBF21	289 X74 130 0000	00	6	3.2	250	100	7.5	2.2		B8G	DDP
EBF32	028 9X7 310 0000	40	6	2	250	100	5	1.8		A08	DDP
EBF35	218 79X 130 0000	40	6	2	250	100	5	1.8		A08	DDP
EBF80	741 238 9X1 0000	00	6	2	250	90	5	2.2		B9A	DDP
EBF81	741 238 9X1 0000	00	6	2	250	75	6.7	1.1		B9A	DDP
EBF83	741 238 9X1 0000	00	6.3		12	12	0.1	1		B9A	DDP
EBF89	741 238 9X1 0000	00	6.3	2	250	100	9	3.8		B9A	DDP
EBF171	9X2 741 380 0000	00	6.3	3.2	250	80	6	1.8		B8B	DDP
EBF175	231 9X1 817 4000	00	6.3	2	250	80	6	5		B10B	DDP
EBL1	023 19X 780 0000	40	6	6	250	250	36	9.5		8SC	DDP
EBL21	284 7X9 130 0000	00	6	6	250	250	36	9		B8B	DDP
EBL31	028 9X7 310 0000	40	6	6	250	250	36	9.5		A08	DDP
EBL71	284 79X 130 0000	00	6	5	250	250	44	9.5		A08	DDP
EC2	023 100 080 0000	40	6	5.5	250		6	2.5		8SC	T
EC21	208 401 003 0000	00	6	4	250		5	2.7		B9G	T
EC31	028 040 310 0000	00	6	16	250		20	3.2		A08	T
EC40	244 844 130 0000	00	6	1.5	300		15	12		B8A	T
EC41	208 040 130 0000	00	6	5.5	200		20	4.5		B8A	T
EC52	241 800 003 0000	00	6	2.6	250		10	6.5		B9G	T
EC53	123 000 000 0000	84	6	3.3	200		7.5	2.9		B3G	T
EC54	244 844 413 0000	00	6	1.5	250		10	9		B9G	T
EC56	021 000 310 0000	84	6.3	1.8	200		30	15		A08	T
EC57	021 000 310 0000	84	6.3	1.8	200		30	15		A08	T
EC70	482 803 180 0000	00	6	2	100		13	5.5		B8D	T
EC71	402 013 080 0000	00	6.3		100		8.5	5.8		B8D	T
EC80	441 230 448 0000	00	6	1.5	250		15	12		B9A	T
EC81	401 230 080 0000	00	6	2	150		30	5.5		B9A	T
EC84	414 484 234 0000	00	6.3	1.1	150		16	10		B9A	T
EC86	841 234 148 0000	00	6.3	1.5	75		12	14		B9A	T
EC86C	841 234 148 0000	00	6.3	1.5	200		12	14		B9A	T
EC88	414 234 484 0000	00	6	1.2	150		12.5	14		B9A	T
EC90	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
EC91	412 314 800 0000	00	6	2	250		6	8.5		B7G	T
EC92	802 304 100 0000	00	6	2	250		10	5		B7G	T
EC93	842 314 800 0000	00	6	4	100		16	8		B7G	T
EC94	842 314 800 0000	00	6.3	2.5	100		16	6.6		B7G	T
EC95	142 381 100 0000	00	6.3	1.2	200		10	10.5		B7G	T
EC96	412 314 800 0000	00	6.3	1	200		11.5	6.7		B7G	T
EC97	142 238 100 0000	00	6.3	1	150		11	13		B7G	T
EC98	412 344 800 0000	00	6.3	1.3	150		13.5	13.5		B7G	T
EC157	021 000 310 0000	84	6.3	2	200		44	22		A08	T
EC158	021 000 310 0000	84	6.3	4	200		68	15		A08	T
EC760	482 803 180 0000	00	6.3	2.4	150		13	6.5		B8D	T
EC806S	841 234 148 0000	00	6.3		200		12	14		B9A	T
EC900	412 380 100 0000	00	6.3	1	150		11.5	14.5		B7G	T
EC903	842 314 800 0000	00	6.3	4	100		16	8		B7G	T
EC1000	102 013 080 0000	40	6.3	2	80		14	14.5		B8D	T
E1320	028 740 310 0000	00	6.3	11	250	250	1			A08	TI
EC1030	444 123 480 0000	00	6.3		100		7	16		B8D	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
EC1031	444 123 480 0000	00	6.3		100		7	16		B8D	T
EC8010	414 234 484 0000	00	6.3		200		25	28		B9A	T
EC8020	414 234 484 0000	00	6.3	2.4	200		40	60		B9A	T
ECC31	028 548 310 0000	00	6	4.6	250		6	2.3		A08	TT
ECC32	481 581 230 0000	00	6	4.6	250		6	2.3		A08	TT
ECC33	481 581 230 0000	00	6	5	250		9	3.8		A08	TT
ECC34	481 581 230 0000	00	6	16	250		10	2.2		A08	TT
ECC35	481 581 230 0000	00	6	2.5	250		2.3	2		A08	TT
ECC40	285 184 130 0000	00	6	5.2	250		6	2.7		B8A	TT
ECC70	852 113 480 0000	00	6.3	1	100		6.5	5.4		B8D	TT
ECC81	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
ECC82	851 228 413 0000	00	6	8.5	250		10.5	2.2		B9A	TT
ECC83	851 228 413 0000	00	6	2	250		1.2	1.6		B9A	TT
ECC84	158 234 118 0000	00	6	1.5	90		12	6		B9A	TT
ECC85	851 238 410 0000	00	6	2.3	250		10	5.9		B9A	TT
ECC86	841 238 510 0000	00	6.3	0.3	12		2.5	4.6		B9A	TT
ECC88	851 238 410 0000	00	6.3	1.2	90		15	12.6		B9A	TT
ECC89	148 235 118 0000	00	6.3	1.2	90		15	12		B9A	TT
ECC91	882 345 100 0000	00	6	0.8	100		8.5	5.3		B7G	TT
ECC171	231 488 512 0000	00	6.3	1.5	200		2.5	2.5		B10B	TT
ECC180	841 238 510 0000	00	6.3	2	150		9	6.4		B9A	TT
ECC186	841 228 513 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
ECC189	841 328 510 0000	00	6.3	1.2	90		15	12.5		B9A	TT
ECC230	481 581 230 0000	00	6	30	100		100	6.5		A08	TT
ECC282	841 228 513 0000	00	6.3		100		11.8	3.1		B9A	TT
ECC801	841 228 513 0000	00	6.3		250		10	5.5		B9A	TT
ECC801S	841 228 513 0000	00	6.3		250		10	5.5		B9A	TT
ECC802	841 228 513 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
ECC802S	841 228 513 0000	00	6.3	8.5	250		10.5	2.2		B9A	TT
ECC803	841 228 513 0000	00	6	2	250		1.2	1.6		B9A	TT
ECC803S	841 228 513 0000	00	6.3	2	250		1.2	1.6		B9A	TT
ECC804	841 238 510 0000	00	6.3	7.7	200		10	3.4		B9A	TT
ECC807	158 231 084 0000	00	6.3	1.5	250		1.3	2.4		B9A	TT
ECC808	418 230 815 0000	00	6.3	1.9	250		1.2	1.6		B9A	TT
ECC813	814 228 153 0000	00	6.3		250		14.5	5.2		B9A	TT
ECC865	841 238 510 0000	00	6.3	14	200		8.7	6		B9A	TT
ECC960	882 345 100 0000	00	6.3	2.1	100		8.5	6		B7G	TT
ECC962	882 345 100 0000	00	6.3	1.7	150		8.5	6		B7G	TT
ECC2000	015 123 841 8000	00	6.3	1.2	90		27	22		B10B	TT
ECC8100	151 238 418 0000	00	6.3	1.2	90		27	16.5		B10B	TT
					100		25	16		B9A	TT
					100		25	20		B9A	TT
ECF1	023 184 780 0000	50	6.3	3	150		8	2.2		8SC	TP
				2	250	100	5	2.5			
ECF12	842 381 970 0000	00	6		100		11	3		F8	TP
				2	250	100	5	2			
ECF80	857 238 114 0000	00	6	2	100		14	5		B9A	TP
				3	250	200	7	5.5			
ECF82	857 238 114 0000	00	6	1	150		18	8.5		B9A	TP
				1	250	100	10	5.2			
ECF83	148 238 715 0000	00	6.3	3.7	60		6.5	3.6		B9A	TP
					60	50	3	1.3			
ECF86	151 234 587 0000	00	6	3	100		14	5.5		B9A	TP
				1.2	200	150	10	12			
EGF174	314 818 175 0000	00	6.3	0	100		11	5		B10B	TP
				2	250	150	8	3			
ECF801	151 238 784 0000	00	6.3	3	100		15	8.5		B9A	TP
				1.2	150	100	10	10			
ECF802	151 238 784 0000	00	6.3	2	200		3.5	3.5		B9A	TP
				1	100	100	6	5.5			
ECF804	857 238 114 0000	00	6.3	1.5	150		13.5	7.2		B9A	TP
				2	150	150	7	11			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
ECF805	878 231 514 0000	00	6.3	3	100		14	5.5		B9A	TP
				1.5	100	100	10	11			
ECF8070	151 238 784 0000	00	6.3	3	100		14	5.5		B9A	TP
				1.2	200	150	10	12			
ECH2	{ 023 184 780 0000 023 105 780 0000	50 50	6	1 2.5	100 250		9.5 3.2	5.5		8SC	TH
ECH3	{ 023 184 080 0000 023 105 780 0000	50 50	6	2 2	100 250	100	5 4.8	2.4 2.5		8SC	TH
ECH3G	{ 028 748 310 0000 028 750 310 0000	50 50	6	2 2	100 250		5 4.8	1.4 2.5		A08	TH
ECH4	023 854 780 0000	50	6	2 2	100 250	100	6.3 6.5	2.7 2.6		8SC	TH
ECH4G	128 748 310 0000	50	6.3	2 2	100 250	100	6.3 6.5	2.7 2.6		A08	TH
ECH11	{ 842 381 570 0000 052 381 570 0000	00 00	6	2 2	100 250	100	5 4.7	2.4 2.5		F8	TH
ECH21	288 475 131 0000	00	6	2 2	100 250	90	6.2 5.3	2.4 2.2		B8B	TH
ECH33	{ 028 748 310 0000 028 750 310 0000	50 50	6	2 2	100 200	100	5 3	2.4 2.8		A08	TH
ECH35	{ 028 748 310 0000 028 750 310 0000	50 50	6	2 2	100 250	100	5.4 5	2.2 2.4		A08	TH
ECH41	{ 288 475 130 0000 280 575 130 0000	00 00	6	2 2	100 250	100	5 3	2.2 2		B8A	TH
ECH42	{ 288 475 130 0000 280 575 130 0000	00 00	6	2 2	100 250	100	5 8	2.2 2		B8A	TH
ECH43	{ 288 475 130 0000 280 575 130 0000	00 00	6	2 2	100 250	100	5 8	2.2 2		B8A	TH
ECH71	{ 288 475 131 0000	00	6	2 2	250 250	100	2 3		0.7	B8B	TH
ECH80	{ 051 230 084 0000 751 230 805 0000	00 00	6.3	2 2	75 250	75	5 3			B9A	TH
ECH81	751 238 084 0000	00	6	3 2	100 250		5 6.5	2.3 2.4		B9A	TH
ECH83	751 238 184 0000	00	6	0.25 0.5	12 12		0.7 0.4	1.4 0.7		B9A	TH
ECH84	551 238 784 0000	00	6		50 150		30 1.7	3.7 2.2		B9A	TP
ECH113	{ 288 475 130 0000 280 575 130 0000	00 00	6	2	100 250	90	4.8 3			B8A	TH
ECH171	842 751 381 0000	00	6	2 2	250 250	75	3 2			B8B	TH
ECH8000	751 238 184 0000	00	6.3	1.5 1.5	100 250	100	11 9	4.2 5		B9A	TH
ECL11	572 381 480 0000	00	6	2.5 6	250 250	250	2 36	2 9		F8	TP
ECL80	841 238 175 0000	00	6.3	2.3 8	100 200	200	4 17.5	1.4 3.3		B9A	TP
ECL81	471 238 815 0000	00	6	1.9 5.5	150 250	250	1.3 36	1.6 8.7		B9A	TH
ECL82	415 238 718 0000	00	6.3	1 16	200 200	200	3.7 35	2.4 6.4		B9A	TP
ECL83	841 238 175 0000	00	6.3	1.5 9.5	200 200	175	1.6 30	2.5 5.5		B9A	TP
ECL84	481 238 157 0000	00	6	1.7 2	200 175	175	3 18	4 10.4		B9A	TP
ECL85	841 238 715 0000	00	6	0.8 15	100 200	175	5 41	6.5 7.5		B9A	TP
ECL86	417 238 158 0000	00	6	1.9 7	250 250	250	1.2 36	1.6 10		B9A	TP
ECL113	288 574 130 0000	00	6	1 3.5	150 250	250	2 25	1.6 8.5		B8A	TP
ECLL800	{ 840 235 180 0000 048 235 187 0000	00 00	6.3	9.0 9.0	100 250	250	4 26	0.05 6.0		B9A	TPP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
ED111	288 104 430 0000	00	6.3	5	200		40	8		B8A	T
EDD11	852 301 480 0000	00	6	8	200		3.5			F8	TT
EDD111	852 311 480 0000	00	6	8	250		9	2.3		F8	TT
EDD171	231 488 512 0000	00	6.3	3.5	150		14	4.8		B10B	TT
EE1	023 190 780 0000	00	6.3	2.5	250	150	8	14		F8	DP
EE50	278 701 403 0000	00	6.3	3	250	250	10	14		B9G	P
EE80	041 231 870 0000	00	6.3		200	200	10	12.5		B9A	P
EEL71	285 774 831 0000	00	6.3	6.5	250	250	24	6.5		B9G	PP
EEL171	752 874 381 0000	00	6.3	2	100	50	2			} B8B	FP
				12	250	250	40	9			
EEL171	840 235 187 0000	00	6.3	12	250	250	40	9		} B8B	PP
	048 235 187 0000	00		2	100	50	3				
EEL171	218 000 300 0000	40	6.3	12	250	250	40	9		B7	T
EEL171	038 090 200 0000	00	6.3	2	100	50	2			A08	DT
EEP1	023 190 780 0000	40	6.3	2.5	250	150	8	17		8SC	DP
EEP71	023 110 780 0000	40	6	3	250	100	8	2.2		8SC	P
EF1	023 110 780 0000	40	6	2	250	100	3	2.3		8SC	P
EF2	023 110 780 0000	40	6	2	250	100	4.5	2.2		8SC	P
EF2S	023 110 780 0000	40	6.3	2	250	100	5	1.8		8SC	P
EF3	023 110 780 0000	40	6	2.5	250	100	8	1.8		8SC	P
EF5	023 110 780 0000	40	6	3	250	100	8	1.7		8SC	P
EF6	023 110 780 0000	40	6	2	250	100	3	2		8SC	P
EF6N	023 110 780 0000	40	6.3	2	250	100	3	2.1		8SC	P
EF7	023 110 780 0000	40	6	1.5	250	100	3	2.1		8SC	P
EF8	023 111 780 0000	40	6	2.5	250	250	8	1.8		8SC	P
EF9	023 110 780 0000	40	6	2.5	250	100	6	2.2		8SC	P
EF9N	023 110 780 0000	40	6.3	2.5	250	100	6	2.2		8SC	P
EF11	802 301 470 0000	00	6	2	250	100	6	2.2		F8	P
EF12	802 301 470 0000	00	6	2	250	100	3	2.1		F8	P
EF12spec.	802 301 470 0000	00	6.3	2	250	100	3	1.7		F8	P
EF13	812 301 470 0000	00	6	2	250	100	4.5	2.3		F8	P
EF14	812 370 140 0000	00	6	4.5	200	200	12	7		F8	P
EF15	812 301 470 0000	00	6	2	250	100	12	5.5		F8	P
EF22	287 104 130 0000	00	6	2.5	250	100	6	2.2		B8B	P
EF25	023 110 780 0000	40	6	2	250	100	5	1.8		8SC	P
EF36	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
EF37	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
EF37A	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
EF38	128 710 310 0000	40	6	2.5	250	250	8	1.8		A08	P
EF39	028 710 310 0000	40	6	2.5	250	100	6	2.2		A08	P
EF40	280 147 130 0000	00	6	2	250	150	3	1.8		B8A	P
EF41	281 174 130 0000	00	6	2.5	250	100	6	2.2		B8A	P
EF42	280 174 130 0000	00	6	2	250	250	10	9.5		B8A	P
EF43	280 174 130 0000	00	6	2	250	150	15	6.4		B8A	P
EF44	280 147 130 0000	00	6.3	2	250	150	3	1.8		B8A	P
EF50	278 101 403 0000	00	6	1.5	250	250	10	6.5		B9G	P
EF51	281 174 130 0000	00	6	2	250	250	14	9.5		B8B	P
EF52	281 174 130 0000	00	6	2	250	250	10	10		B8G	P
EF53	278 101 403 0000	00	6	2	250	250	10	6.5		B9G	P
EF54	287 114 113 0000	00	6	1.7	250	250	10	7.7		B9G	P
EF55	278 101 403 0000	00	6	4	250	150	10	7		B9G	P
EF70	412 183 710 0000	00	6	2	100	100	3	2.5		B8D	P
EF71	412 183 710 0000	00	6	2	100	100	13	5.5		B8D	P
EF72	412 183 710 0000	00	6	1.4	100	100	7	5		B8D	P
EF73	412 873 180 0000	00	6	2	100	100	7.5	5.5		B8D	P
EF74	412 873 180 0000	00	6.3	1.4	100	100	7	3.1		B8D	P
EF80	141 230 871 0000	00	6	2	200	175	10	7.2		B9A	P
EF81	741 238 000 0000	00	6.3	2.5	250	125	6	2.2		B9A	P
EF82	041 230 871 0000	00	6	4.5	250	250	40	11		B9A	P
EF83	701 238 014 0000	00	6.3	1.6	250	50	4	1.6		B9A	P
EF85	141 230 871 0000	00	6	2	250	100	10	6		B9A	P
EF86	701 238 014 0000	00	6	2	250	150	3	2.3		B9A	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
EF87	701 238 014 0000	00	6.3	2	250	100	3.3	1.9		B9A	P
EF88	701 238 014 0000	00	6.3	2	250	100	7	2.1		B9A	P
EF89	041 230 871 0000	00	6	2	250	100	9	3.6		B9A	P
EF89F	041 230 871 0000	00	6.3	20	250	100	11	4.4		B9A	P
EF91	412 381 700 0000	00	6	2	250	250	10	7.6		B7G	P
EF92	412 381 700 0000	00	6	2.5	250	200	8	2.5		B7G	P
EF93	412 387 100 0000	00	6	1	250	100	11.6	4.5		B7G	P
EF94	412 387 100 0000	00	6	1	250	150	10.6	5.2		B7G	P
EF95	412 387 100 0000	00	6	2.3	150	150	7	4.3		B7G	P
EF96	412 387 100 0000	00	6	1.5	250	150	6.5	5		B7G	P
EF97	412 387 100 0000	00	6.3	0.7	12	12				B7G	P
EF98	412 387 100 0000	00	6.3	1	12	12	4.8	3		B7G	P
EF111	812 370 140 0000	00	6.3	2	250	75	6	2.2		F8	P
EF112	812 370 140 0000	00	6.3	2	250	100	3	2.1		F8	P
EF172	112 740 380 0000	00	6.3	2	250	100	5	3		B8A	P
EF174	112 740 380 0000	00	6.3	3.5	200	200	12	9		B8A	P
EF175	112 740 380 0000	00	6.3	2.1	250	100	12	4.5		B8A	P
EF183	141 230 871 0000	00	6	2	200	90	12	12.5		B9A	P
EF184	141 230 871 0000	00	6.3	2.5	200	200	10	15		B9A	P
EF186	841 230 871 0000	00	6.3	0.5	200	50				B9A	P
EF190	412 387 100 0000	00	6.3	2	200	150	9.5	6.2		B7G	P
EF410	280 074 130 0000	00	6.3	2	250	100	6	2.7		B8A	P
EF730	782 803 180 0000	00	6.3	1	100	100	5.3	3.2		B8D	P
EF731	412 183 710 0000	00	6.3		100	100	7.2	4.5		B8D	P
EF732	412 183 710 0000	00	6.3	1.5	100	100	7.5	5		B8D	P
EF734	412 183 710 0000	00	6.3	1.5	100	100	7.5	5		B8D	P
EF762	412 183 710 0000	00	6.3	1.5	100	100	7.5	5		B8D	P
EF800	141 230 871 0000	00	6.3	2	200	175	10	7.2		B9A	P
EF802	141 230 870 0000	00	6.3	1.8	200	175	12	8		B9A	P
EF804	101 230 874 0000	00	6.3	2	250	150	3	2		B9A	P
EF804S	101 230 874 0000	00	6.3	2	250	150	3	2		B9A	P
EF805S	141 230 871 0000	00	6.3	1.8	250	75	8	5.7		B9A	P
EF806S	701 238 014 0000	00	6.3		250	150	3.2	2		B9A	P
EF811	141 237 890 0000	00	6.3	1.5	200	90	11.5	12.5		B9A	DP
EF812	141 230 871 0000	00	6.3	1.8	150	150	10			B9A	P
EF814	141 230 871 0000	00	6.3	1.9	150	150	10			B9A	P
EF860	141 230 871 0000	00	6.3		250	250	10	6.8		B9A	P
EF861	141 230 871 0000	00	6.3	1.1	200	150	13	16.5		B9A	P
EF866	701 238 014 0000	00	6.3	2	250	150	3	2		B9A	P
EF905	412 387 100 0000	00	6.3	2	150	125	7.5	5		B7G	P
EF8010	141 230 871 0000	00	6.3	2	200	100	12	12.5		B9A	P
EF8200	141 237 817 0000	00	6.3		200	150	22	35		B9A	P
EFF50	287 415 783 0000	00	6	2	250	200	6	8		B9G	PP
EFF51	287 415 783 0000	00	6	2	250	200	6	8		B9G	PP
EFL200	517 823 147 8000	00	6.3	2.6	175	175	30	21		B10B	PI'
				2.3	150	150	10	8.5			
EFM1	023 114 780 0000	00	6	2	250	100	1.3			8SC	IP
EFP20	278 147 130 0000	00	6.3	2	250	200	5	12		B8G	P
EFP60	214 178 183 0000	00	6.3	2	250	150	20	25		B9G	P
EG420	902 300 000 0000	00	4				120			B4	R
EH1	023 147 780 0000	40	6	2	250	80	3	1.8		8SC	P
EH2	023 117 780 0000	40	6	3	250	100	4.2	1.4		8SC	P
EH90	412 387 100 0000	00	6.3	1	100	30	1	1.1		B7G	H
EH900	412 387 100 0000	00	6.3		150	80	1	1.1		B7G	H
EH900S	412 387 100 0000	00	6.3	10	150	75	0.2			B7G	H
EK2	023 174 780 0000	40	6	2	250	75	2.8	1.8		8SC	O
EK2G	028 747 310 0000	00	6.3	2	250	75	2.7	1.8		A08	O
EK3	023 174 780 0000	40	6	2	100	60	11	3.8		8SC	O
EK32	028 747 310 0000	40	6	2	250	75	1.5	1.5		A08	O
EK90	412 388 100 0000	00	6	2	100		11	7		B7G	H
EL1	023 100 780 0000	40	6	18.5	250	250	32	2.6		8SC	P
EL2	023 100 780 0000	40	6	18	250	250	32	2.8		8SC	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
EL3	023 104 780 0000	00	6	6	250	250	36	9			
EL3/375	023 104 780 0000	00	6.3	6	250	250	36	9		SSC	P
EL3/425	023 104 780 0000	00	6.3	15.6	400	300	25	3		SSC	P
EL3N	023 104 780 0000	00	6.3	6	250	250	36	9		SSC	P
EL3NG	023 104 780 0000	00	6.3	6	250	250	36	9		SSC	P
EL3NG	028 740 310 0000	00	6.3	6	250	250	36	9			
EL5	028 740 310 0000	00	6.3	14	250	275	72	8.5		A08	P
EL5/375	023 140 780 0000	00	6.3	14	250	275	72	8.5		SSC	P
EL5/600	023 114 700 0000	80	6.3		250	275	72	8.5		SSC	P
EL6	023 104 780 0000	00	6	4	250	250	72	14.5		SSC	P
EL6/435	023 104 780 0000	00	6.3	7.5	250	250	20	5.5			
EL6spec.	023 104 780 0000	00	6.3	7	250	250	72	14.5		SSC	P
EL8	023 104 780 0000	00	6.3	7.5	250	250	20	5.5		SSC	P
EL11	802 301 470 0000	00	6	6	250	250	36	9		F8	P
EL11N	802 301 470 0000	00	6.3	6	250	250	36	9		F8	P
EL12	802 301 450 0000	00	6	7	250	250	72	15			
EL12spec.	702 301 400 0000	80	6.3	19	400	350	42	10		F8	P
EL12/325	802 301 470 0000	00	6.3	7	250	250	72	18		F8	P
EL12/375	802 301 470 0000	00	6.3	7	400	250	72	15		F8	P
EL13	802 310 470 0000	00	6.3	7.5	250	250	20	5.5		F8	P
EL20	287 104 130 0000	00	6	34	300	300	12.5	3.7		B8B	P
EL22	287 004 130 0000	00	6	7	250	250	44	9.5		B8B	P
EL30	028 741 310 0000	00	6.3	4.5	250	250	18	6.5		A08	P
EL31	120 740 310 0000	80	6	9	300	275	91	14		A08	P
EL32	028 700 310 0000	40	6	18	250	250	32	2.8		A08	P
EL33	028 740 310 0000	00	6	6	250	250	36	9		A08	P
EL33A	028 740 310 0000	00	6.3	6	250	250	36	9		A08	P
EL34	128 740 310 0000	00	6	13.5	250	250	75	11		A08	P
EL35	028 740 310 0000	00	6	15.5	250	250	72	5		A08	P
EL36	020 740 310 0000	80	6	8.2	100	100	77	11		A08	P
EL36	028 740 310 0000	00	6.3	4	250	250	72	14.5		A08	P
EL37	028 740 310 0000	00	6	13.5	250	250	100	11		A08	P
EL38	120 740 310 0000	80	6	7	250	250	89	14.3		A08	P
EL38N	120 740 310 0000	80	6	7	250	250	89	14.3		A08	P
EL39	020 741 310 0000	80	6	3.2	200	125	45	6.5		A08	P
EL41	280 074 130 0000	00	6	7	250	250	36	10		B8A	P
EL42	281 074 130 0000	00	6	10.8	225	225	26	3.2		B8A	P
EL43	280 174 130 0000	00	6	3	250	250	36	10		B8A	P
EL44	280 174 130 0000	80	6	22.5	250	250	20	5		B8A	P
EL50	023 114 700 0000	80	6	14	250	275	72	8.5		SSC	P
EL51	023 104 700 0000	80	6		400	300	44	7		SSC	P
EL53	023 104 780 0000	00	6	7.7	400	250	24	8		SSC	P
EL54	023 140 780 0000	00	6	12.2	300	300	55	13		SSC	P
EL60	218 007 113 0000	00	6	14.5	250	250	67	9		B9G	P
EL70	412 183 710 0000	00	6	9	100	100	31	2.2		B8D	P
EL71	412 183 710 0000	00	6.3	8.5	100	100	30	4		B8D	P
EL8C	741 230 800 0000	00	6.3	6.5	250	250	36	10		B9A	P
EL81	041 230 071 0000	80	6	38.5	250	250	32	4.6		B9A	P
EL81P	041 230 071 0000	80	6.3	38.5	250	250	32	4.6		B9A	P
EL82	041 230 807 0000	00	6.3	10.4	200	200	54	9		B9A	P
EL83	741 230 800 0000	00	6	5.5	250	250	36	10		B9A	P
EL84	041 230 807 0000	00	6	7.3	250	250	48	11.3		B9A	P
EL85	441 231 817 0000	00	6	10.8	250	225	26	3.2		B9A	P
EL86	041 230 807 0000	00	6.3	12.5	200	175	70	10		B9A	P
EL86F	041 230 807 0000	00	6.3		200	200	70	10		B9A	P
EL88	041 230 871 0000	00	6.3	4.5	200	200	33	9.7		B9A	P
EL89	041 230 871 0000	00	6.3	6	250	250	38	10.5		B9A	P
EL90	412 387 400 0000	00	6	12.5	250	250	45	4.1		B7G	P
EL91	412 380 700 0000	00	6	13.8	250	250	16	2.6		B7G	P
EL95	412 387 400 0000	00	6.3	9	250	250	24	5		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
EL131	128 740 310 0000	00	6.3	12	250	250	100	11		A08	P
EL150	802 301 470 0000	00	6.3	7	350	250	95	6.5		F8	P
EL152	812 741 300 0000	00	6.3	33	400	250	50	4		B7G	P
EL171	102 741 380 0000	00	6.3	12	250	250	40	9		B8A	P
EL172	102 741 380 0000	00	6.3	7	250	250	72	15		B8A	P
EL180	141 223 871 0000	00	6.3	2	250	150	25	12		B9A	P
EL183	141 228 713 0000	00	6.3	2.1	200	200	40	25		B9A	P
EL300	721 441 370 0000	80	6.3	22.5	200	150	100	10		B8A	P
EL360	020 740 310 0000	80	6.3	7.7	100	100	100	14		A08	P
EL502	441 237 710 0000	80	6.3	35	200	200	100	2		B9D	P
EL503	714 231 408 0000	00	6.3	13.2	250	250	100	23		B9D	P
EL505	417 237 141 0000	80	6.3	40	150	150	60	8		B9D	P
EL506	741 234 708 0000	00	6.3	10	300	300	60	10.2		B9A	P
EL803	741 231 800 0000	00	6.3	3.5	200	200	36	10		B9A	P
EL803S	741 321 800 0000	00	6.3		200	200	32	10		B9A	P
EL804	041 230 007 0000	80	6.3	12	200	175	70	10		B9A	P
EL820	041 230 071 0000	80	6	38.5	250	250	32	4.6		B9A	P
EL821	041 230 871 0000	00	6	4.5	250	250	40	11		B9A	P
EL822	041 230 871 0000	00	6	2.5	250	150	40	13		B9A	P
EL861	041 230 871 0000	00	6.3		200	200	20	11		B9A	P
EL863	741 231 800 0000	00	6.3	5.5	250	250	36	11		B9A	P
EL3010	231 147 210 0000	80	6.3		350	100	100	60		A08	P
EL5070	017 231 141 0000	80	6.3	3	125	125	50	45		B9D	P
EL8000	141 237 817 0000	00	6.3		250	250	48	50		B9A	P
ELL1	523 184 780 0000	00	6	20	250	250	15	1.7		8SC	PP
ELL80	748 235 187 0000	00	6.3	9.0	250	250	24	6.0		B9A	PP
ELP71	023 104 780 0000	00	6	7	250	250	36	9		8SC	P
ELP72	023 100 780 0000	40	6	17	250	250	36	2.5		8SC	P
ELP73	023 100 780 0000	40	6	17	250	250	36	2.5		8SC	P
EM1	023 104 780 0000	00	6.3	5	250	250	0.1		Ra=2MΩ	8SC	TI
EM3	023 104 780 0000	00	6.3	18	200	200	0.2		Ra=1MΩ	8SC	TI
EM4	023 184 780 0000	00	6.3	4.2	200	200			Ra=1MΩ	} 8SC	TI
				12.5	200	200			Ra=1MΩ		
EM11	028 748 310 0000	00	6.3	5	250	250			Ra=1MΩ	} A08	TI
				16	250	250			Ra=1MΩ		
EM31	028 740 310 0000	00	6.3	5	250	250	0.1		Ra=2MΩ	A08	TI
EM34	028 478 310 0000	00	6.3	4.2	250	250			Ra=1MΩ	} A08	TI
				12.5	250	250			Ra=1MΩ		
EM35	028 740 310 0000	00	6.3	22	250	250			Ra=1MΩ	A08	TI
EM71	271 084 130 0000	00	6.3	20	250	250	0.5		Ra=0.5MΩ	B8B	TI
EM80	410 230 807 0000	00	6.3	14	250	250	0.4		Ra=500kΩ	B9A	TI
EM81	410 230 807 0000	00	6.3	10.5	250	250	0.4		Ra=500kΩ	B9A	TI
EM84	401 237 808 0000	00	6.3	22	250	250	0.5		Ra=500kΩ	B9A	TI
EM87	401 237 808 0000	00	6.3	14	250	250	1.1		Ra=1MΩ	B9A	TI
EM840	401 237 808 0000	00	6.3	22	250	250	0.5		Ra=500kΩ	B9A	TI
EM61	472 381 100 0000	00	6.3	4.5	20	20	7	4		B7G	P
EQ80	741 238 114 0000	00	6	1	250	20	0.9	0.7		B9A	N
ER4	002 300 000 0000	90	4				3			B4	D
EW60	290 000 103 0000	00	6				120			B9G	R
EY51	023 000 000 0000	90	6							B3G	D
EY70	092 913 090 0000	00	6				30			B8D	R
EY80	001 230 009 0000	00	6				120			B9A	R
EY81	000 230 009 0000	10	6.3				120			B9A	R
EY82	001 230 009 0000	00	6.3				180			B9A	R
EY83	000 230 009 0000	10	6.3							B9A	D
EY84	001 230 000 0000	90	6				120			B9A	R
EY86	230 232 032 0000	90	6							B9A	D
EY87	230 232 032 0000	90	6.3							B9A	D
EY88	000 230 009 0000	10	6.3				120			B9A	R
EY89	001 230 009 0000	00	6.3				120			B9A	R
EY91	912 390 000 0000	00	6				60			B7G	R

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
EY92	002 390 100 0000	00	6.3				60			B7G	R
EY500	090 230 990 0000	10	42				180			B9D	R
EY3000	023 100 000 0000	90	6.3				120			8SC	R
EY3000N	023 100 000 0000	90	6.3				120			8SC	R
EY113	230 239 0X0 0000	00	6.3				120			F8	RR
EZ1	023 190 0X0 0000	00	6				30			8SC	RR
EZ2	023 190 0X0 0000	00	6				30			8SC	RR
EZ3	023 190 0X0 0000	00	6				60			8SC	RR
EZ4	023 190 0X0 0000	00	6				60			8SC	RR
EZ11	X02 300 190 0000	00	6				30			F8	RR
EZ12	X02 300 190 0000	00	6				60			F8	RR
EZ22	209 00X 130 0000	00	6				60			B8B	RR
EZ33	029 0X0 310 0000	00	6				60			A08	RR
EZ35	029 0X0 310 0000	00	6				30			A08	RR
EZ40	290 00X 130 0000	00	6				30			B8A	RR
EZ41	290 00X 130 0000	00	6				30			B8A	RR
EZ80	X01 230 900 0000	00	6				30			B9A	RR
EZ81	901 230 X00 0000	00	6				60			B9A	RR
EZ82	901 230 X00 0000	00	6.3				30			B9A	RR
EZ90	902 30X 100 0000	00	6.3				30			B7G	RR
EZ91	902 30X 100 0000	00	6.3				30			B7G	RR
EZ900	902 30X 100 0000	00	6.3				30			B7G	RR
EL500	441 237 710 0000	80	6.3	20	150	150	70	10		B9A	P
F2A11	802 301 470 0000	00	6.3	6.5	250	250	100	18		F8	P
F5	842 300 000 0000	00	4	40	300		40	6		B4	T
F10	842 300 000 0000	00	4	15	300		30	5.5		B4	T
F100	842 370 000 0000	00	4	16	250	250	42	2.5		B5	P
F109	284 300 000 0000	00	1.5	14.5	200		6.2	11.5		UX4	T
F109A	284 300 000 0000	00	1.5	14.5	200		6.3	1.2		UX4	T
F109A	842 300 000 0000	00	1.5	14.5	200		6.2	1.2		B5	T
F203	842 300 000 0000	00	2.5	56	300		36	2		B4	P
F203	284 300 000 0000	00	2.5	50	300		36	2		UX4	T
F209	842 300 000 0000	00	2.5	21	250		5.2	0.9		B4	T
F209	284 300 000 0000	00	2.5	21	250		5.2	0.9		UX4	T
F209A	842 310 000 0000	00	2.5	21	250		5	1		B5	T
F215	284 130 000 0000	00	2.5	6	150		6.5	2		UX5	T
F215	842 310 000 0000	00	2.5	6	150		6.5	2		B5	T
F242	287 130 000 0000	40	2.5	1.3	200	100	1.5	0.9		UX5	P
F410	842 300 000 0000	00	4	15	300		13.5	2.8		B4	T
F443	842 370 000 0000	00	4	30	400	200	45	3.2		B5	P
F443N	842 370 000 0000	00	4	30	400	200	45	3.2		B5	P
F460	842 310 000 0000	00	4	2	250		10	5.5		B5	T
F704	842 300 000 0000	00	7.5	84	400		55	2.1		B5	T
F707	842 300 000 0000	00	7.5	84	400		55	2.1		B4	T
F707	284 300 000 0000	00	7.5	84	400		55	2.1		UX4	T
F708	284 300 000 0000	00	7.5		400		30	1.6		UX4	T
F/7001	412 387 100 0000	00	6.3		150	125	35	4.8		B7G	P
FH2118	187 472 310 0000	40	20	2	200	80	3			C7	P
FT4	028 740 310 0000	00	4	6	250	250	0.5		Rn=24Ω	A08	TI
FW1	9X2 200 000 0000	00	4				30			B4	RR
FW3	9X2 300 000 0000	00	4				60			B4	RR
FW4-500	9X2 300 000 0000	00	4		500		250			B4	RR
FW4/500	9X2 300 000 0000	00	4				120			B5	RR
FW4/800	X92 300 000 0000	00	4				60			B5	RR
FY	842 370 000 0000	00	4	10	250	250	32	5		B5	P
FZ1	023 190 0X0 0000	00	13				30			8SC	RR
G	284 300 000 0000	00	5	3	200		0.2			UX4	T
G/6C4	802 384 100 0000	00	6.3	8.5	250		10.5	2.2		B7G	T
G/25L6	028 740 310 0000	00	25	8.2	200	125	46	8		A08	P
G/50C5	142 347 800 0000	00	50	7.5	150	100	49	7.5		B7G	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
G84	290 300 000 0000	00	2.5				60			UX4	R
G407	842 300 000 0000	00	4	4	150		4	1.3		B4	T
G409	842 300 000 0000	00	4	4	150		4	1.3		B4	T
G431	9X2 300 000 0000	00	4				30			B5	RR
G459	023 090 0X0 0000	00	4				60			8SC	RR
G460	9X2 300 000 0000	00	4				60			B4	RR
G470	9X2 300 000 0000	00	4				30			B4	RR
G504	9X2 300 000 0000	00	4				15			B4	RR
G660	023 1X0 090 0000	00	6.3				30			8SC	RR
G715	902 300 000 0000	00	7.5				120			B4	R
G1054	9X2 300 000 0000	00	4				30			B4	RR
G1064	9X2 300 000 0000	00	4				30			B4	RR
G1380	023 190 0X0 0000	00	12				30			8SC	RR
G1404	902 300 000 0000	00	4				120			B4	R
G1503	9X2 300 000 0000	00	2.5				30			B4	RR
G2004	9X2 300 000 0000	00	4				60			B4	RR
G2005	9X2 300 000 0000	00	5				60			B4	RR
G2080	902 310 000 0000	00	20				60			B5	R
G2080	023 100 090 0000	00	20				60			8SC	R
G2504	9X2 300 000 0000	00	4				60			B4	RR
G3060	123 1X0 090 0000	00	0				60			8SC	RR
G4004	9X2 300 000 0000	00	4				120			B4	R
G4100	902 300 000 0000	00	4				120			B4	R
G4120	9X2 300 000 0000	00	4				60			B5	RR
G4120N	9X2 300 000 0000	00	4				60			B4	R
G4150	9X2 300 000 0000	00	4				60			B4	RR
G4180	9X2 300 000 0000	00	4				120			B4	RR
G4300	9X2 300 000 0000	00	4				120			B4	RR
G/5749	412 387 100 0000	00	6	1	250	100	11	4.4		B7G	P
G/5750	412 388 400 0000	00	6	2	100		11	7		B7G	H
G/6042	481 581 230 0000	00	25	8	250		9	2.6		A08	TT
G6059	041 230 871 0000	00	6	3	250	100	2	1.2		B7G	P
G/6060	851 228 413 0000	00	6	2	250		10	5.5		B9A	TT
G/6061	041 230 871 0000	00	6	13	300	225	35	3.7		B9A	P
G/6062	801 237 144 0000	00	6	7.5	250	250	45	7		B9A	P
G6066	412 39X 800 0000	00	6	3	250		1	1.2		B7G	DDT
G/6100	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
G/6132	041 230 871 0000	00	6	4.5	250	250	40	11		B9A	P
G/6157	001 230 000 0000	90	6				120			B9A	R
G/6158	854 228 413 0000	00	6	4.6	250		6	2.3		B9A	TT
G/6180	481 581 230 0000	00	6	8	250		9	2.6		A08	TT
G/6443	001 230 000 0000	90	6				120			B9A	R
G/6516	412 380 700 0000	00	6	12.5	250	250	16	2.6		B7G	P
GG1	299 00X X30 0000	00	4				30			B8B	RR
GN24	9X2 300 000 0000	00	4				30			B4	RR
GR4	9X2 300 000 0000	00	4				120			B4	RR
GT1C	842 310 000 0000	00	4		200		48		Ra=3kΩ	B5	THY
GY11	333 022 200 0000	90	2.5				30			F8	R
GY501	200 320 032 0000	90	3.15							B9D	D
GZ30	020 X09 030 0000	00	5				60			A08	RR
GZ31	020 X09 030 0000	00	5				120			A08	RR
GZ32	030 90X 020 0000	00	5				60			A08	RR
GZ33	030 90X 020 0000	00	5				120			A08	RR
GZ34	030 90X 020 0000	00	5				120			A08	RR
GZ37	030 X09 020 0000	00	5				120			A08	RR
GZ40	290 00X 130 0000	00	5				30			B8A	RR
GZ41	290 00X 130 0000	00	5				30			B8A	RR
H2	842 300 000 0000	00	2	1	150		2.5	0.8		B4	T
H2D	892 3X0 000 0000	40	2	1.5	150		3.5	1.3		B5	DDT
H4	842 300 000 0000	00	4	4	150		4	1.3		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
H4D	90X 231 800 0000	40	4	2.5	200		5.5	2.7		B7	DDT
H4D	218 90X 300 0000	40	4	3	200		4.5	2.7		B7	DDT
H12	842 300 000 0000	00	2	1.3	100		0.6	1		SM4	T
H13	023 100 080 0000	40	13	4	200		6	2.5		A08	T
H20	842 310 000 0000	00	20	1.6	200		0.2	1		B5	T
H30	000 231 800 0000	40	13	1.5	250		7.5	6		B7	T
H42	000 231 800 0000	40	4	2	250		1	1.5		B7	T
H42	218 000 300 0000	40	4	2	250		1	1.5		B7	T
H63	020 800 310 0000	40	6.3	2	250		1	1.6		A08	T
H210	842 300 000 0000	00	2	3	150		1.1	1.1		B4	T
H406D	742 300 000 0000	80	4	1.5	200	75	4	0.8		B4	P
H407spec.	842 300 000 0000	00	4	9	150		3.5	0.9		B4	T
H410	842 300 000 0000	00	4	3	150		0.5	0.6		B4	T
H141D	208 090 030 0000	40	1.4	1	90		0.1	0.2		M08	DT
H412	842 300 000 0000	00	4	9	150		5	1.2		B4	T
H607	842 300 000 0000	00	6	1	100			0.4		B4	T
H1818D	742 310 000 0000	80	20	2	200	100	3	2		B5	P
H1918D	742 310 000 0000	80	20	2	200	60	4	1		B5	P
H2018D	742 310 000 0000	80	20	2	200	60	4	1		B5	P
H2518D	742 310 000 0000	80	20	2.5	250	100	3.5	2		B5	P
H2618D	742 310 000 0000	80	20	2.5	250	100	5	2		B5	P
H4080D	742 310 000 0000	80	4	1.5	200	75	4	2.5		B5	P
H4111D	742 310 000 0000	80	4	2.5	250	100	3.5	2		B5	P
H4115D	742 310 000 0000	80	4	2.5	250	100	3.5	2		B5	P
H4125D	742 310 000 0000	80	4	2	200	100	6	1		B5	P
H4128D	742 310 000 0000	80	4	2.5	250	100	3.5	2		B5	P
H4129D	742 310 000 0000	80	4	2.5	250	100	5	2		B5	P
HAA91	192 310 X00 0000	00	12							B7G	DD
HABC80	9Y1 23X 148 0000	00	19	3	250		1	1.2		B9A	DDDT
HAD	X09 231 800 0000	40	13	2.5	200		3.3	2		B7	DDT
HBC90	412 39X 800 0000	00	12.5	3	250		1	1.2		B7G	DDT
HBC91	412 39X 800 0000	00	12.5	2	250		1.2	1.6		B7G	DDT
HCH81	751 238 584 0000	00	12.6	2.5	100	90	4	2		B9A	TH
HD2	842 300 000 0000	00	2	5	200		5	1		B4	T
HD2	892 3X0 000 0000	40	2	2.5	150		3.5	1.3		B5	DDT
HD14	038 090 200 0000	40	1.4		90		0.1	0.2		A08	DT
HD21	892 3X0 000 0000	40	2	1.5	150		1.8	1.5		B5	DDT
HD22	892 3X0 000 0000	40	2	3	150		1.8	1.5		B5	DDT
HD23	982 3X0 000 0000	40	2	2	150		1	1.4		B5	DDT
HD23	892 3X0 000 0000	40	2	1	150		1	1		B5	DDT
HD24	892 3X0 000 0000	40	2	1.5	150		0.8	1		B5	DDT
HD30	724 332 800 0000	00	1.2	75	150	125		1.7		B7G	P
HD93	230 232 032 0000	90	1.2							B9A	D
HD96	021 040 310 0000	80	25	22.5	250	150	55	5.5		A08	P
HP61	280 074 130 0000	00	6.3	2.6	250	100	6	2.2		B8A	P
HP62	280 174 130 0000	00	6.3	2	250	250	10	9		B8A	P
HP85	141 230 871 0000	00	12.5	2.3	200	125	11.4	6.1		B9A	P
HP93	412 387 100 0000	00	12.5	1	250	100	11	4.4		B7G	P
HP94	412 387 100 0000	00	12.5	1	250	250	10.6	5.2		B7G	P
HP121	280 074 130 0000	00	12.5	3	200	125	1.2	2.3		B8A	P
HK90	412 388 100 0000	00	12.5	2	100		11	7		B7G	H
HL2	842 300 000 0000	00	2	1.5	150		2.2	1.5		B4	T
HL2	023 004 080 0000	00	2	1.5	150		2.2	1.5		8SC	T
HL2K	842 300 000 0000	00	2	1.5	150		2.2	1.5		B4	T
HL2S	023 004 080 0000	00	2	1.5	150		2.2	1.5		8SC	T
HL3	208 040 030 0000	00	2	1.5	125		0.5	1.5		M08	T
HL4	842 310 000 0000	00	4	4.5	250		5	3.5		B5	T
HL4+	842 310 000 0000	00	4	4.5	250		5	4.9		B5	T
HL4G	000 231 800 0000	40	4	4.5	250		5	3.5		B7	T
HL4GS	023 100 080 0000	40	4	4.5	250		5	3.5		8SC	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
HL13	023 100 080 0000	40	13	3.7	200		5	3.3		8SC	T
HL13	000 231 800 0000	40	13	2.7	200		6	3.5		B7	T
HL13C	000 231 800 0000	40	13	3.7	200		5	3.3		B7	T
HL13G	023 004 080 0000	40	13	5.5	250		6	2.5		8SC	T
HL13S	023 100 080 0000	40	13	3	200		6	3.5		8SC	T
HL21	842 300 000 0000	00	2	3	150		1.7	1.5		B4	T
HL21DD	892 3X0 000 0000	40	2	2	150		2	1.3		B5	DDT
HL22	208 040 030 0000	00	2	2	150		2	1.3		M08	T
HL22DD	208 090 X30 0000	40	2	2	150		2	1.3		M08	DDT
HL23	208 040 X30 0000	00	2	1.5	150		1.5	1.2		M08	T
HL23DD	208 090 X30 0000	40	2	1.5	150		0.6	1.2		M08	DDT
HL41	218 040 030 0000	00	4	3.1	250		2.2	3.4		M08	T
HL41DD	218 0X0 930 0000	40	4	3.1	250		2.2	2.6		M08	DDT
HL42DD	218 0X0 930 0000	40	4	0.2	200		2.8	2.9		M08	DDT
HL84	041 230 807 0000	00	30	12.5	200	175	70	10		B9A	P
HL90	412 387 400 0000	00	19	12.5	250	250	45	4.1		B7G	P
HL92	142 347 800 0000	00	50	7.5	150	125	49	7.5		B7G	P
HL94	142 347 800 0000	00	30	6.7	100	100	43	9.2		B7G	P
HL133	218 000 030 0000	40	13	3.3	200		6	2.9		M08	T
HL133DD	218 0X0 930 0000	40	13	2.5	200		1.5	2.5		M08	DDT
HL134DD	218 090 X30 0000	40	13	5	250		7	2.5		M08	DDT
HL135	023 100 080 0000	40	13	3	200		6	3.5		8SC	T
HL210	842 300 000 0000	00	2	1	100		1.1	0.7		B4	T
HL410	842 300 000 0000	00	4	6	150		1.2	0.8		B4	T
HL607	842 300 000 0000	00	6	1	100			1		B4	T
HL1320	000 231 800 0000	40	13	3.3	200		6	3		B7	T
HLA1	842 310 000 0000	00	4	1	200		5	8		B5	T
HLA2	842 310 000 0000	00	4	2.5	200		6	5.5		B5	T
HLB1	842 300 000 0000	00	2	3	150		2	1.5		B5	T
HL/DD1320	90X 231 800 0000	40	13	3	200		4.3	1.9		B7	DDT
HM20	842 310 000 0000	00	20	3.3	250		6	2.5		B5	T
HN309	841 238 175 0000	00	12	2	250		2.8	2.2		B9A	TP
HP2	548 230 800 0000	00	2	1	150	150	24	5.6		B7	TT
HP6	412 381 700	00	6.3	2	250	250	10	7.5		B7G	P
HP13	081 231 700 0000	40	13	1	250	100	8	3.5		B7	P
HP13S	023 110 780 0000	40	13	1	250	100	8	3.5		8SC	P
HP210	742 300 000 0000	80	2	1.5	150	150	1.9	1.9		B4	P
HP210	041 230 700 0000	80	2	1.5	150	150	1.9	1.9		B7	P
HP210C	041 230 700 0000	80	2	1	150	150	1.9	1.9		B7	P
HP210NC	742 300 000 0000	80	2	1	150	150	1.9	1.9		B4	P
HP210NC	041 230 700 0000	80	2	1	150	150	1.9	1.9		B7	P
HP211	041 230 700 0000	80	2	1	150	150	2.6	1.7		B7	P
HP211C	041 230 700 0000	80	2	1	150	150	2.6	1.7		B7	P
HP211C	742 300 000 0000	80	2	1	150	150	2.6	1.7		B4	P
HP215	742 300 000 0000	80	2	1.5	150	80	1.5	1.2		B4	P
HP215	041 230 700 0000	80	2	1.5	150	80	1.5	1.2		B7	P
HP415	742 310 000 0000	80	4	2	250	100	4.5	3		B5	P
HP417	041 231 700 0000	80	4	2	250	100	8	2.7		B7	P
HP1018	180 172 300 0000	40	10	3	250	100	2.3	1.3		B7	P
HP1118	180 172 300 0000	40	10	3	250	100	8.2	1.6		B7	P
HP2018	742 310 000 0000	80	20	2	200	100	4	3.5		B5	P
HP2018	041 231 700 0000	80	20	2	200	100	4	3.5		B7	P
HP2118	742 310 000 0000	80	20	2	200	100	5	3.5		B5	P
HP2118	041 230 700 0000	80	20	2	200	100	5	3.5		B7	P
HP4100	742 310 000 0000	80	4	2	200	100	3	3.5		B5	P
HP4101	041 231 700 0000	80	4	2	200	100	3.5	3.5		B7	P
HP4101	742 310 000 0000	80	4	2	200	100	3.5	3.5		B5	P
HP4101C	041 231 700 0000	80	4	2	200	100	3.5	2.8		B7	P
HP4101C	742 310 000 0000	80	4	2	200	100	3.5	2.8		B5	P
HP4105	041 231 700 0000	80	4	2	250	100	4.5	3		B7	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
HP4106	041 231 700 0000	80	4	2	200	100	5	3.5		B7	P
HP4106	742 310 000 0000	80	4	2	200	100	5	3.5		B5	P
HP4106C	742 310 000 0000	80	4	2	200	100	5	3.5		B5	P
HP4106C	041 231 700 0000	80	4	2	200	100	5	3.5		B7	P
HP4115	041 231 700 0000	80	4	2	200	100	4.3	2.2		B7	P
HP4115	742 310 000 0000	80	4	2	200	100	4.3	3.2		B5	P
HP4115C	742 310 000 0000	80	4	2	250	100	4.5	3.2		B5	F
HP4115C	041 231 700 0000	80	4	2	250	100	4.5	3.2		B7	P
HPT	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
HR1	200 300 000 0000	90	0.6							B7G	D
HR2	842 300 000 0000	00	2	2	150		12	0.6		B4	T
HR2	112 311 100 0000	90	4				5			B7G	R
HR2S	023 004 080 0000	00	2	2	150		1.2	0.6		8SC	T
HR3	112 311 100 0000	90	4				15			B7G	R
HR4	112 311 100 0000	90	4				30			B7G	R
HR5	112 311 100 0000	90	4				30			B7G	R
HR6	030 000 020 0000	90	4				60			A08	R
HR7	020 000 030 0000	90	4				30			A08	R
HR8	030 000 020 0000	90	4				30			A08	R
HR11	020 000 030 0000	90	4							A08	D
HR210	842 300 000 0000	00	2	1.5	200		1	1.3		B4	T
HR406	842 300 000 0000	00	4	3	200		1	1.5		B4	T
HR410	841 300 000 0000	00	4	3	200		1	1.5		B4	T
HSD	90X 231 800 0000	40	13	3	200		6	2.7		B7	DDT
HVR1	002 300 000 0000	90	2				5			B4	R
HVR2	003 200 000 0000	90	4				3			B4	R
HVR2A	003 200 000 0000	90	2				3			B4	R
HVU1	002 300 000 0000	90	4				3			B4	R
HY24	284 300 000 0000	00	2	45	200		20			UX4	T
HY61	274 130 000 0000	80	6	14	300	250	83	6.5		UX5	P
HY65	030 740 210 0000	80	6	45	350	200	63			A08	P
HY90	002 393 100 0000	00	27.5				60			B7G	R
HY113	284 030 000 0000	00	1.4	4.5	60		0.4	0.2		UX5	T
HY125	384 720 000 0000	00	1.4	3	60	50	0.9	0.3		UX5	P
HY615	020 000 310 0000	84	6	35	300		20			A08	T
HY866	290 300 000 0000	00	2.5				120			UX4	R
H250	290 300 000 0000	00	13				60			UX4	R
IF860	141 230 871 0000	00	20		200	200	8.5	6.6		B9A	P
IL861	041 230 871 0000	00	20		200	200	20	11		B9A	P
IRV120/350S	023 190 0X0 0000	00	4				60			8SC	RR
IW2	9X3 200 000 0000	00	4				30			B4	RR
IW2A	9X2 300 000 0000	00	4				30			B4	RR
IW3	9X2 300 000 0000	00	4				60			B4	RR
IW4	9X2 300 000 0000	00	4				60			B4	RR
IW4/350	9X2 300 000 0000	00	4				60			B4	RR
IW4/500	9X3 200 000 0000	00	4				60			B4	RR
K2/DD	892 3X0 000 0000	40	2	3.8	150		4	1.6		B5	DDT
K4	9X2 300 000 0000	00	4				120			B4	RR
K23A	892 3X0 000 0000	40	2	5.5	150		2.5	1.4		B5	DDT
K23B	892 3X0 000 0000	40	2	1.5	150		1.4	1.2		B5	DDT
K24	287 130 000 0000	40	2.5	1.5	200	75	2	0.8		UX5	P
K27	284 130 000 0000	00	2.5	4.5	90		3	1		UX5	T
K30A	842 300 000 0000	00	2	3	150		1.5	0.8		B4	T
K30B	842 300 000 0000	00	2	7.5	150		4	0.9		B4	T
K30C	842 300 000 0000	00	2	1.5	150		2	1.4		B4	T
K30D	842 300 000 0000	00	2	3	150		4	1.5		B4	T
K30E	842 300 000 0000	00	2	4.5	150		2	1.5		B4	T
K30G	842 300 000 0000	00	2	7	150		6	3.5		B4	T
K30K	842 300 000 0000	00	2	1.5	150		2.2	1.4		B4	T
K33A	084 235 800 0000	00	2		150		3			B7	TT
K33B	548 230 800 0000	00	2	1.5	125		3	2.1		B7	TT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
K40B	742 300 000 0000	80	2		150	75	2	1.5		B4	P
K40N	041 230 700 0000	80	2		150	90	2.5	1.4		B7	P
K40N	742 300 000 0000	80	2		150	90	2.5	1.4		B4	P
K50M	041 231 700 0000	80	2	5	150	125	3	1.5		B7	P
K50N	084 237 700 0000	40	2	1.5	150	60	2	1.4		B7	P
K70B	842 370 000 0000	00	2	4.5	150	150	9.5	2.5		B5	P
K70D	842 370 000 0000	00	2	2.4	150	150	5	4		B5	P
K77A	487 230 785 0000	00	2	10.5	150	150	2.5	4		B9	PP
K77B	548 237 800 0000	00	2	11.7	150	150	3.8			B7	PP
K435/10	842 300 000 0000	00	4	3	300		50	5		B4	T
K450/50	842 300 000 0000	00	4	50	400		120	5		B4	T
K1658	742 310 000 0000	80	7	25	400	225	50	3.2		B5	P
K1668	742 310 000 0000	80	7	25	400	225	50	3.2		B5	P
K1678	742 310 000 0000	80	7	25	400	225	50	3.2		B5	P
K1694	842 300 000 0000	00	4	3.5	200		6	2.6		B4	T
KBC32	038 X90 200 0000	40	2		100		2.4	1.2		A08	DDT
KC1	023 004 080 0000	00	2	1.5	150		1.2	0.6		8SC	T
KC3	023 004 080 0000	00	2	2.8	150		3	2.5		8SC	T
KC4	023 004 080 0000	00	2	1.5	150		2.2	1.4		8SC	T
KC50	842 300 000 0000	00	2	1	40		0.2	0.4		Sm4	T
KC51	842 300 000 0000	00	2	2	40		1.2	0.5		Sm4	T
KCF30	{ 038 748 200 0000	50	2	{ 1.0	100		3.7	1.6	}	A08	TP
	{ 038 750 200 0000	50			150	80	1.5	0.9			
KCH1	{ 023 084 780 0000	50			90		3	1.5			
	{ 023 005 780 0000	50			90	60	1	0.9			
KD50	842 300 000 0000	00	2	2.8	40		1.8	0.6		Sm4	T
KDD1	023 084 580 0000	00	2		90		0.8	0.8		8SC	TT
KE50	742 300 000 0000	80	2	2	150	50	0.8	0.6		Sm4	P
KF1	070 412 300 0000	80	2	1	150	150	3	1.8		C7	P
KF2	070 412 300 0000	80	2	1	150	150	3	1.3		C7	P
KF3	023 010 780 0000	40	2	1	90	90	1	0.5		8SC	P
KF4	023 010 780 0000	40	2	1	90	90	1.2	0.7		8SC	P
KF7	023 004 700 0000	80	2	1.5	90	90	1.8	0.7		8SC	P
KF8	023 004 700 0000	80	2	1	90	90	1.5	0.6		8SC	P
KF35	028 710 300 0000	40	2	1.5	150	60	1.4	1.1		A08	P
KH1	023 071 780 0000	40	2	1.5	90	60	2.1	1.4		8SC	P
KK2	023 084 780 0000	40	2	1	90	50	2			8SC	O
KK2G	028 748 300 0000	40	2	1	90	50	2			A08	O
KL1	842 370 000 0000	00	2	4.5	90	90	8	1.7		B5	P
KL1	032 004 780 0000	00	2	4.5	90	90	8	1.7		8SC	P
KL2	023 004 780 0000	00	2	7.5	90	90	11	1.8		8SC	P
KL4	023 004 780 0000	00	2	2.5	100	100	5	2		8SC	P
KL4G	038 740 200 0000	00	2	2.5	90	90	4.7	1.8		A08	P
KL5	032 004 780 0000	00	2	4	90	90	4.8	1.4		8SC	P
KL35	038 740 200 0000	00	2	4.5	150	150	5.6	2.2		A08	P
KLL3	523 784 780 0000	00	2	12	150	150	8			8SC	PP
KLL32	028 548 370 0000	00	2	11.3	150	150	3.8	2.6		A08	PP
KR5	284 730 000 0000	00	6	9	150	150	14	1.9		UX5	P
KR20	284 413 000 0000	00	2.5		250		3.5	1.4		UX6	T
KR22	284 413 000 0000	00	6		250		3.5	1.4		UX6	T
KR25	284 413 000 0000	00	2.5	16.5	250	250	34	2.2		LX6	P
KR28	29X 130 000 0000	00	6				30			UX5	RR
KR31	291 300 000 0000	00	10				120			UX4	R
KT2	842 370 000 0000	00	2	4.5	150	150	7.5	2.5		B5	P
KT8	742 310 000 0000	80	6	16	250	250	72	6		B5	P
KT8C	742 310 000 0000	80	6	16	250	250	72	6		B5	P
KT16	028 740 230 0000	00	1.4	4.5	90	90	8.8	1.9		A08	P
KT21	842 370 000 0000	00	2	2.5	150	125	5.3	5.3		B5	P
KT24	842 370 000 0000	00	2	3.5	150	125	5	3.2		B5	P
KT30	047 231 800 000	00	13	12	250	250	40	3.9		B7	P
KT31	307 221 800 0000	40	13	4	200	175	40	10		B7	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
KT32	028 740 310 0000	00	26	7.6	150	150	75	9		A08	P
KT33	328 740 210 0000	00	13	13.2	200	200	60	10		A08	P
KT33C	328 740 210 0000	00	13	7	200	175	92	10		A08	P
KT35	328 740 210 0000	00	13	11.5	200	200	50	10		A08	P
KT36	020 740 310 0000	80	26	10	150	150	60	11		A08	P
KT41	047 231 800 0000	00	4	4.4	250	250	40	10.5		B7	P
KT42	047 231 800 0000	00	4	16.5	250	250	34	2.5		B7	P
KT44	041 231 700 0000	80	4	25	250	250	85	6.3		B7	P
KT45	041 231 700 0000	80	4	25	250	250	85	6.3		B7	P
KT55	028 740 310 0000	00	52	15	150	150	88	16		A08	P
KT61	028 740 310 0000	00	6	4.4	250	250	40	10.5		A08	P
KT63	028 740 310 0000	00	6	16.5	250	250	34	2.5		A08	P
KT66	028 740 310 0000	00	6	15	250	250	65	6.3		A08	P
KT67	278 001 403 0000	00	6	9	250	175	80	13		B9G	P
KT71	028 740 310 0000	00	48	9.8	200	175	70	10		A08	P
KT72	028 740 310 0000	00	16	12.5	200	175	30	2.5		A08	P
KT73	028 740 310 0000	00	6	4.5	200	175	35	2.5		A08	P
KT74	028 740 310 0000	00	16	12.5	200	175	30	2.5		A08	P
KT76	028 740 310 0000	00	15	13	200	175	35	2.5		A08	P
KT77	028 740 310 0000	00	6.3		250	250	100	11.5		A08	P
KT81	287 004 130 0000	00	6	4.4	250	250	40	10.5		B8B	P
KT88	028 740 310 0000	00	6	20	250	250	57	8		A08	P
KT101	287 004 130 0000	00	80	9.5	200	175	70	10		B8B	P
KTW61	028 710 310 0000	40	6	4	250	100	10	2.9		A08	P
KTW62	028 700 310 0000	40	6	3	250	100	8	2.8		A08	P
KTW63	028 710 310 0000	40	6	3	250	100	7.6	1.5		A08	P
KTW73	028 710 310 0000	40	6	3	250	100	6.5	1.7		A08	P
KTW73M	028 700 310 0000	40	6	3	250	100	6.5	1.7		A08	P
KTW74	028 710 310 0000	40	13	3	250	100	7.6	1.5		A08	P
KTW74M	028 700 310 0000	40	13	3	250	100	7.6	1.5		A08	P
KTZ41	081 231 700 0000	40	4	1.5	250	250	18	12		B7	P
KTZ63	028 710 310 0000	40	6	3	250	100	2	1.2		A08	P
KTZ73	028 700 310 0000	40	6	3	250	100	2	1.5		A08	P
KTZ73M	028 700 310 0000	40	6	3	250	100	2	1.5		A08	P
KZ	902 310 000 0000	00	20				60			B5	R
L2	842 300 000 0000	00	2	4.5	150		9	1.6		B4	T
L2/B	842 300 000 0000	00	2	3.8	150		4	1.5		B4	T
L2D	842 310 000 0000	00	2	4.5	150		2	1.5		B5	T
L4	842 300 000 0000	00	4	16	250		20	3.2		B4	T
L11	842 300 000 0000	00	1	12	100		2.8	0.6		B4	T
L12	842 300 000 0000	00	2	3	40		2.2	0.8		SM4	T
L21	842 300 000 0000	00	2	6	150		3.2	1.8		B4	T
L21DD	892 3X0 000 0000	40	2	3	150		5.2	1.8		B5	DDT
L22DD	208 090 X30 0000	40	2	4.2	150		4	1.6		A08	DDT
L30	042 231 800 0000	00	13	8	200		25	4.2		B7	T
L42MD	842 370 000 0000	00	4	20	250	250	22	2.5		B5	P
L63	028 040 310 0000	00	6	8	250		9	2.6		A08	T
L77	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
L210	842 300 000 0000	00	2		150			0.9		B4	T
L408	842 300 000 0000	00	4	3	150		5	1.5		B4	T
L410	842 300 000 0000	00	4	4	150		4.3	1.5		B4	T
L412	842 300 000 0000	00	4	1.5	200		3	1.2		B4	T
L413	842 300 000 0000	00	4	16	200		12	1.8		B4	T
L414	842 300 000 0000	00	4	8	150		12	2.8		B4	T
L415	842 300 000 0000	00	4	10	200		8	2		B4	T
L416D	843 200 000 0000	70	4	13	250	80	12	1.4		B4	P
L427D	842 370 000 0000	00	4	42	300	200	20	1.5		B5	P
L486D	842 370 000 0000	00	4	15	250	250	35	2.7		B5	P
L491D	842 370 000 0000	00	4	40	400	200	30	1.8		B5	P
L495	942 370 000 0000	00	4	30				5		B5	D

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
L497D	842 370 000 0000	00	4	30	400	200	45	3.2		B5	P
L510D	842 370 000 0000	00	4	17	200	150	12	1.3		B5	P
L2318	842 370 000 0000	00	20	18	200	200	20	1.7		B5	P
L4150D	842 310 000 0000	40	4	15	250	250	24	2.5		B5	P
LA	384 720 000 0000	00	6	12	200	175	22	2.2		UX5	P
LD210	842 300 000 0000	00	2	4.5	150		3	1.3		B4	T
LD410	842 300 000 0000	00	4	6	200		4	1.8		B4	T
LG5	219 0X0 130 0000	00	6				120			A08	RR
LG6	219 0X0 130 0000	00	12				30			B8B	RR
LG14	123 000 000 0000	90	6				5			B3G	R
LK430	842 300 000 0000	00	4	32	250		20	1.9		B4	T
LK460	842 300 000 0000	00	4	40	250		30	2.2		B4	T
LK4110	842 300 000 0000	00	4	36	400		30	2.7		B4	T
LK4112	842 300 000 0000	00	4	21.6	250		48	3.5		B4	T
LK4200	842 300 000 0000	00	4	36	400		45	4		B4	T
LL2	842 300 000 0000	00	2	2.5	150		3	2.5		B4	T
LL2S	023 004 080 0000	00	2	2.5	150		3	2.6		8SC	T
LL4	842 310 000 0000	00	4	10	350		18	3.5		B5	T
LL610	842 370 000 0000	00	5	17	200	150	12	1.3		B5	P
LN119	415 238 175 0000	00	50	{ 0	100		3.5	2.5		} B9A	TP
				{ 16	200	200	35	6.4			
LN152	841 238 175 0000	00	6	{ 2.3	100		4.0	1.4		} B9A	TP
				{ 6.7	200	175	15.0	3.2			
LN309	841 238 175 0000	00	12.5	{ 8.5	250		10.5	2.2		} B9A	TP
				{ 8.0	200	175	30	4.5			
LN319	841 238 175 0000	00	13	{ 9	200		10	3.4		} B9A	TP
				{ 2	200	175	32	6.5			
LN329	857 238 114 0000	00	9	{ 2	100		14	5		} B9A	TP
				{ 2	200	175	10	6.2			
LP2	842 300 000 0000	00	2	4.5	150		10	3.6		B4	T
LP4	842 300 000 0000	00	4	36	250		48	5.5		B4	T
LP25	842 300 000 0000	00	4	31	400		50	7.5		B4	T
LP220	842 300 000 0000	00	2	4.5	150		5	3.5		B4	P
LS5	842 300 000 0000	00	4.7	47	400		25			B4	T
LS5A	842 300 000 0000	00	5.2		400		33	0.9		B4	T
LS6A	842 300 000 0000	00	6	91	400		64	2.3		B5	T
LS7	842 300 000 0000	00	4	4	150		21	2.4		B5	T
LS8	842 300 000 0000	00	4	8	150			1.3		B4	T
LS8A	842 300 000 0000	00	4	8	150		26	3		B4	T
LS9B	842 300 000 0000	00	2	1.5	150		8	0.6		B4	T
LS826	248 310 000 0000	00	6.3	1.1	100		7.5	5		B5B	T
LU4A	842 300 000 0000	00	4	16	200		12	1.8		B4	T
LZ319	857 238 114 0000	00	9	{ 2	100		14	5		} B9A	TP
				{ 2	200	175	10	6.2			
LZ329	857 238 114 0000	00	9	{ 2.0	100		14	5		} B9A	YP
				{ 2.0	200	175	10	6			
M3057	041 230 871 0000	00	6.3	4.5	200	200	30	9		B9A	P
M8079	1X2 310 900 0000	00	6				5			B7G	RR
M8080	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
M8081	882 345 100 0000	00	6	0.8	100		8.5	5.3		B7G	TT
M8082	412 380 700 0000	00	6	12.4	250	250	16	2.6		B7G	P
M8083	412 381 700 0000	00	6	2	250	250	10	7.65		B7G	P
M8091	001 230 000 0000	90	6.3				120			B9A	R
M8096	801 237 144 0000	00	6	7.5	250	250	45	7		B7A	P
M8097	912 314 800 0000	00	6	2.8	200		7.5	2.8		B7G	DT
M8099	412 314 800 0000	00	6	2	250		6	8.5		B7G	T
M8100	412 387 100 0000	00	6	2.3	150	150	7	4.3		B7G	P
M8101	412 387 100 0000	00	6	1	250	100	11	4.4		B7G	P
M8121	412 183 710 0000	00	6	1.4	100	100	7	5		B8D	P
M8122	412 873 180 0000	00	6	2	100	100	7.5	5		B8D	P
M8123	291 390 000 0000	00	6				5			B8D	R

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
NR125	412 183 710 0000	00	6	2	100	100	3	2.5		B8D	P
NR135	412 300 871 0000	00	6	4.5	250	250	40	11		B9A	P
NR136	851 228 413 0000	00	6.3	8.5	250		8.5	2.2		B9A	TT
NR137	851 228 413 0000	00	6	2	250		1.2	1.6		B9A	TT
NR138	902 30X 100 0000	00	6				30			B7G	RR
NR156	482 803 180 0000	00	6	2	100		13	5.5		B8D	T
NR157	287 711 413 0000	00	6	30	300	250	25	1.9		B9G	P
NR161	412 381 700 0000	00	6	2.5	250	200	8	2.5		B7G	P
NR162	851 228 413 0000	00	6	1.5	200		8.5	6.5		B9A	TT
NR178	402 013 080 0000	00	6.3		100		8.5	5.8		B8D	T
NR195	701 238 014 0000	00	6.3	1	250	100	3	1.8		B9A	P
NR196	412 287 100 0000	00	6.3	2	150	125	5.5	3.5		B7G	P
NR212	192 310 X00 0000	00	6.3				5			B7G	RR
NR245	412 387 400 0000	00	6.3	12.5	250	250	45	4.1		B7G	P
NR248	412 344 800 0000	00	6.3	1.35	150		13.5	13.5		B7G	T
MAZ41	090 00X 230 0000	00	4				30			A08	RR
NC1	423 080 000 0000	00	1.9	1.5	100		4	0.8		8SC	T
ME2	842 370 000 0000	00	2	12	200	200	13			B5	P
ME4S	023 104 780 0000	00	4	5	250	250			Ra=2MΩ	8SC	TI
ME6S	023 104 780 0000	00	6.3	5	250	250			Ra=2MΩ	8SC	TI
ME25	842 370 000 0000	00	4	30	400	300	60			B5	P
ME41	218 040 730 0000	00	4	22.5	250	250	0.2		Ra=1MΩ	M08	TI
ME91	218 040 730 0000	00	9	17	150	150	0.2		Ra=1MΩ	M08	TI
ME920	047 231 800 0000	00	9	19	200	175	0.2		Ra=1MΩ	B7	TI
ME1400	028 710 310 0000	40	6.3	2	250	100	1	1.8		A08	P
MH4	842 310 000 0000	00	4	2	200		8	3		B5	T
MH40	842 310 000 0000	00	4	3	200		2.7	2.4		B5	T
MH41	842 310 000 0000	00	4	1.5	200		5.2	6		B5	T
MH206	847 230 800 0000	40	2	3	150	75	3.2			B7	H
MH1118	847 231 800 0000	40	10	3	200	100	3.5			B7	H
MH4105	847 231 800 0000	40	4	3	200	100	7.5			B7	H
MHD4	X09 231 800 0000	40	4	4	200		2	1.9		B7	DDT
MHL4	842 310 000 0000	00	4	8	250		8	2.5		B5	T
MHLD6	028 9X0 310 0000	40	6	5	200		11.5	3		A08	DDT
MKT4	047 231 800 0000	00	4	11	250	200	32	3		B7	P
MKT4	842 300 000 0000	70	4	11	250	200	32	3		B5	P
ML4	842 300 000 0000	00	4	16	250		14	3.2		B5	T
ML6	842 300 000 0000	00	6	8	200		24	3.8		B5	T
ML40	842 300 000 0000	00	4	3	200			3		B5	T
MM4V	742 310 000 0000	80	4	1.5	200	125	6	2.5		B5	P
MM20	742 310 000 0000	80	20		200	100	6	3.5		B5	P
MP2	842 300 000 0000	00	2	12	150		12.5	3		B4	T
MP4	080 231 700 0000	40	4		250	250	8	2.5		B7	FP
MP/Pen	008 231 700 0000	50									
MP/Pen	047 231 800 0000	00		16	250	250	3	3.5		B7	P
MP/Pen	842 310 000 0000	70	4	16	250	250	30	3.5		B5	P
MPT4	047 231 800 0000	00	4	9	250	200	32	3		B7	P
MPT4	842 310 000 0000	40	4	9	250	200	32	3		B5	P
MR1	902 300 000 0000	00	4				120			B4	R
MR4	842 300 000 0000	00	4	3	200		6	2.5		B4	T
MS4	742 310 000 0000	80	4	1.5	250	75	2.4	1.1		B5	P
MS4B	742 310 000 0000	80	4	1	200	75	3.4	3		B5	P
MS4C	742 310 000 0000	80	4	1	200	75	3.4	3.2		B5	P
MSG/HA	742 310 000 0000	80	4	1.5	200	80	2.1	2		B5	P
MSG/LA	742 310 000 0000	80	4	1.5	200	75	5.2	3.7		B5	P
MSP4	742 310 000 0000	80	4	1.8	200	190	3.4	2.4		B5	P
MSP4	041 231 700 0000	80	4	1.8	200	100	3.4	2.4		B7	P
MSP41	742 310 000 0000	80	4	4	250	250	8.5	3.2		B5	P
MSP41	041 231 700 0000	80	4	4	250	250	8.5	3.2		B7	P
MS/Pen	041 231 700 0000	80	4	1.5	200	100	4.8	2.8		B7	P
MS/Pen	742 310 000 0000	80	4	1.5	200	100	4.8	2.8		B5	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
MS/PenA	742 310 000 0000	80	4	2.5	200	150	9	4		B5	P
MS/PenA	041 231 700 0000	80	4	2.5	200	150	9	4		B7	P
MS/PenB	081 231 700 0000	40	4	1.5	200	100	4.8	2.8		B7	P
MS/PenT	041 231 700 0000	80	4	1.5	200	100	4.8	2.8		B7	P
MS/PenT	742 310 000 0000	80	4	1.5	200	100	4.8	2.8		B5	P
MSVPen	041 231 700 0000	80	4	1.5	200	100	4.3	2.2		B7	P
MSVPenB	081 231 700 0000	40	4	1.5	200	100	4.3	2.2		B7	P
MU1	002 300 000 0000	90	4				60			B4	R
MU2	002 300 000 0000	90	2				5			B4	R
MU12	9X2 300 000 0000	00	4				60			B4	RR
MU12/14	9X2 300 000 0000	00	4				60			B4	RR
MU14	9X2 300 000 0000	00	4				60			B4	RR
MU4250	232 300 000 0000	90	4				120			B4	R
MVSG	742 310 000 0000	80	4	1.5	200	75	7.5	2.5		B5	P
MVSPen	742 310 000 0000	80	4	2	250	125	5.1	2.3		B5	P
MZ05-20	842 300 000 0000	00	6	12	350		45	4.2		B4	T
N14	038 740 200 0000	00	1.4	7.5	90	90	7	1.5		A08	P
N15	028 740 230 0000	00	1.4	7	90	90	7	1.5		A08	P
N16	028 740 230 0000	00	1.4	4.5	90	90	9.5	2.1		A08	P
N17	284 738 200 0000	00	1.4	7	90	75	7.4	1.5		B7G	P
N18	384 728 300 0000	00	1.4	4.5	90	90	9.5	2.1		B7G	P
N19	387 024 300 0000	00	1.4	4.5	90	90	7.7	2		B7G	P
N25	387 024 300 0000	00	1.4	5.2	90	90	5	1.4		B7G	P
N30	047 231 800 0000	00	13	12	250	250	40	0.9		B7	P
N31	207 331 800 0000	40	13	4.4	200	175	40	10		B7	P
N34	107 231 800 0000	40	13		250	250	40	10.5		B7	P
N37	412 380 700 0000	00	13	8	200	150	50	10		B7G	P
N40	047 231 800 0000	00	4	3.5	250	250	32	2.9		B7	P
N41	047 231 800 0000	00	4	3.5	250	250	32	10		B7	P
N42	047 231 800 0000	00	4	16.5	250	250	34	2.5		B7	P
N43	007 231 800 0000	40	4	4.5	250	250	40	10		B7	P
N63	028 740 310 0000	00	6	16.5	250	250	34	2.5		A08	P
N66	028 740 310 0000	00	6	15	250	250	85	5.3		A08	P
N77	412 380 700 0000	00	6	12	250	250	20	2.6		B7G	P
N78	412 380 700 0000	00	6	5.5	250	250	35	10			
N108	412 380 700 0000	00	40	8	200	150	50	10		B7G	P
N118	230 074 130 0000	00	40	6	150	150	30	7.5		B8A	P
N119	041 230 807 0000	00	45	12.5	200	175	70	10		B9A	P
N142	281 074 130 0000	00	45	9.5	200	175	54.5	9.5		B8A	P
N144	412 380 700 0000	00	6	12	250	250	20	2.6		B7G	P
N145	281 074 130 0000	00	40	6.3	200	150	29	7.5		B8A	P
N147	028 740 310 0000	00	6	6	250	250	36			A08	P
N148	287 004 130 0000	00	6	12.5	250	250	45	9.4		B8A	P
N150	281 074 130 0000	00	5	7	250	250	36	10		B8A	P
N151	281 047 130 0000	00	6	13.5	250	250	22.5	2.9		B8A	P
N152	041 230 071 0000	80	20	28	200	200	40	6		B9A	P
N153	741 231 800 0000	00	5	2.3	200	175	36	10		B9A	P
N154	041 230 807 0000	00	16	14.2	200	200	45	8.2		B9A	P
N155	441 231 817 0000	00	6	10.8	225	225	26	3.2		B9A	P
N308	020 74Q 310 0000	80	26	9.5	100	100	100	13		A08	P
N309	741 231 800 0000	00	15	2.3	200	175	36	10		B9A	P
N329	041 230 807 0000	00	16	14.2	200	200	45	8.2		B9A	P
N339	041 230 071 0000	80	21.5	13	150	150	50	8.5		B9A	P
N349	041 230 071 0000	80	20	12	150	150	5	8.5		B9A	P
N359	041 231 771 0000	80	21.5	28	200	200	40	6		B9A	P
N369	041 230 807 0000	00	12.6	10.3	200	175	31	8.3		B9A	P
N379	041 230 807 0000	00	15		200	175	70	10		B9A	P
N709	041 230 807 0000	00	6	7.3	250	250	48	11.3		B9A	P
N727	412 387 400 0000	00	6	4.5	250	250	45	4.1		B7G	P
NDD40	902 310 000 0000	00	4							B4	D

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
NEP51	023 110 780 0000	40	4	3	250	100	8	2.2		8SC	P
NF2	023 110 780 0000	40	12.5	2	200	100	3	2.1		8SC	P
NF3	023 110 780 0000	40	12.5	2	200	100	4.5	2.3		8SC	P
NG320	002 300 000 0000	90	2							B5	D
NG3020	002 300 000 0000	90	2				5			B4	R
NHP51	023 100 780 0000	40	4	2.5	250	100	3.5	2		8SC	P
NIX2	041 230 071 0000	80	21.5	28	200	200	40	6		B9A	P
NLP61	023 104 780 0000	00	4	7	250	250	4	9		8SC	P
NLP62	020 314 780 0000	00	4	14	250	250	72	9		8SC	P
NSS42	742 310 000 0000	80	4	2.5	250	100	3.5	2		B5	P
NSS43	742 310 000 0000	80	4	2.5	250	100	3.5	2		B5	P
NSS183	742 310 000 0000	80	20	2.5	200	100	3.5	2		B5	P
NT51	023 100 080 0000	40	4	5	250		6	2.5		8SC	T
NVS4	742 310 000 0000	80	4	2	200	100	6	1		B5	P
NW4	842 310 000 0000	00	4	2.5	200		2.5	1		B5	T
OO	384 200 000 0000	00	5		40		1	0.6		UX4	T
OOA	384 200 000 0000	00	5		40		1.5	0.6		UX4	T
O1	384 200 000 0000	00	5	4.5	90		2.5			UX4	T
O1A	384 200 000 0000	00	5	4.5	90		2.5	0.7		UX4	T
O1AA	384 200 000 0000	00	5	4.5	90		3.2	0.9		UX4	T
O1B	384 200 000 0000	00	5	4.5	90		2.5	0.7		UX4	T
O15/400	842 300 000 0000	00	4	35	400		40	4.5		B4	T
O54V	842 310 000 0000	00	4		100			4		B5	T
O84	842 300 000 0000	00	4	4	150		4	1.3		B4	T
O1307	023 174 780 0000	40	4	1.5	200	90	8	3		8SC	P
OBF2	208 791 X30 0000	40	9	2	200	100	6	1.8		A08	DDP
OBC3	041 9X8 231 0000	00	12.5	2	250		1	1.1		A08	DDT
OCH4	218 741 830 0000	50	15	{	100		3.5		}	A08	TH
				2	200	100	3	0.75			
OF1	028 710 310 0000	40	6.3	3	250	100	8.5	1.8		A08	P
OF9	209 701 130 0000	40	8.5	2.5	200	100	6	2.2		A08	P
OM1	020 090 310 0000	00	30				120			A08	R
OM3	029 1X0 310 0000	00	6							A08	DD
OM4	028 X90 310 0000	40	6	5	250		5.5	2.2		A08	DDT
OM5	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
OM5B	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
OM5C	028 710 310 0000	40	6	2	250	100	3	1.8		A08	P
OM6	028 710 310 0000	40	6	2.5	250	100	6	2		A08	P
OM7	028 710 310 0000	40	6	2.5	250	100	6	2		A08	P
OM9	028 700 310 0000	40	6	18	250	250	32	2.8		A08	P
OM10	{ 028 748 310 0000	50	6	{	2.0	100	5.4	2.2	}	A08	TH
	028 750 310 0000	50			2.0	250	5.0	2.4			
OF41	047 231 800 0000	00	4	12.5	250	250		9.1		B7	P
OP42	047 231 800 0000	00	4	6.2	250	250		10.5		B7	P
OS6/300	842 370 000 0000	00	4	20	300	150	22	2		B5	P
OS18/600	023 114 700 0000	80	6	14	250	275	72	8.5		8SC	P
OSW2190	021 417 380 0000	00	6.3	2	300	150	10	9		A08	P
OSW2192	120 417 380 0000	00	6.3	3	300	150	30	11		A08	P
OSW2600	021 417 380 0000	00	6.3	2	300	150	10	9		A08	P
OSW2601	120 417 380 0000	00	6.3	3	300	150	30	11		A08	P
OSW3105	041 9X8 230 0000	00	6.3	2	250		0.9	1.1		A08	DDT
OSW3106	028 740 310 0000	00	6.3	12.5	250	250	45	4.1		A08	P
OSW3107	020 90X 030 0000	00	5				60			A08	RR
OSW3108	028 740 310 0000	00	6.3	14	250	250	72	6		A08	P
OSW3109	029 1X0 300 0000	00	6.3							A08	DD
OSW3111	021 417 380 0000	00	6.3	3	250	100	9.2	2		A08	P
OSW3112	028 040 310 0000	00	6.3	8	250		9	2.6		A08	T
P2	842 300 000 0000	00	2	6	100		12	3.5		B4	T
P4	842 300 000 0000	00	4	21	250		30	2.8		B4	T
P6M0	023 104 780 0000	00	6.3	14	250	250	72	9		8SC	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	-I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
P12/250	842 300 000 0000	00	4	44	250		60	6		B4	T
P15/250	842 300 000 0000	00	4	44	250		60	6		B4	P
P15/250S	023 004 080 0000	00	4	44	250		60	6		8SC	T
P24/450	842 300 000 0000	00	7.5	70	400		55	2.1		B4	T
P25/400	842 300 000 0000	00	6	100	350		70	3.7		B4	T
P25/500	842 300 000 0000	00	6	90	400		65	3		B4	T
P26/500	842 300 000 0000	00	4	100	400		62.5	4.2		B4	T
P27/500	842 300 000 0000	00	4	27	400		62.5	8.5		B4	T
P30/500	842 300 000 0000	00	4	100	400		60	4		B4	T
P41	218 040 030 0000	00	4	11.8	250		16	4.5		M08	T
P43M	842 370 000 0000	00	4	17	250	250	26	2.5		B5	P
P61	218 040 030 0000	00	6	11.8	250		16	4.5		M08	T
P215	842 300 000 0000	00	2		150			1.4		B4	T
P220	842 300 000 0000	00	2	7.5	150		6	3		B4	T
P220A	842 300 000 0000	00	2	14	150		15	2.7		B4	T
P222	842 300 000 0000	00	2	10.5	150		6	3		B4	T
P225	842 370 000 0000	00	2	4.5	150	150	5.6	2.2		B5	P
P240	842 300 000 0000	00	2	24	150		18	1.1		B4	T
P240A	842 300 000 0000	00	2	21	150		25	5		B4	T
P410	842 300 000 0000	00	4	12	150		7	1.3		B4	T
P414	842 300 000 0000	00	4	16	100		14	2.8		B4	T
P415	842 300 000 0000	00	4	25	150		14	1.5		B4	T
P420	842 300 000 0000	00	4	85	400		50	6		B4	T
P421	842 370 000 0000	00	4	11	200	75	12	1.5		B5	P
P422	842 370 000 0000	00	4	20	250	250	22	2.5		B5	P
P425	842 370 000 0000	00	4	25	300	200	20	1.7		B5	P
P430	284 300 000 0000	00	4	30	200		25	2.2		UX4	T
P434	032 004 780 0000	00	4	17	250	250	36	2.5		8SC	P
P435	842 370 000 0000	00	4	17	250	250	30	3		B5	P
P440	842 370 000 0000	00	4	30	400	200	45	5		B5	P
P440N	842 310 000 0000	00	4		250	250	20	2.5		B5	P
P440N	047 231 800 0000	00	4	22	250	250	26	2.8		B7	P
P441N	047 231 800 0000	00	4	22	250	250	36	2.8		B7	P
P455	284 300 000 0000	00	4	15	250		30	5.5		UX4	T
P455	023 100 870 0000	00	4	25	250	250	36	2.6		8SC	P
P460	842 300 000 0000	00	4	40	200		50	3.5		B4	T
P469	047 231 800 0000	00	4	14	250	275	72	8.5		B7	P
P495	047 231 800 0000	00	4	6	200	200	32			B7	P
P496	047 231 800 0000	00	4	6	200	200	32	9.5		B7	P
P520	842 370 000 0000	00	5	17	200	150	12	1.3		B5	P
P625	842 300 000 0000	00	6	26	250		24	2.5		B4	T
P625A	842 300 000 0000	00	6	39	200		25	2.3		B4	T
P625B	842 300 000 0000	00	6	1	200			2.8		B4	T
P626	023 100 780 0000	40	6.3	32	250	250	26	2.5		8SC	P
P628	023 100 780 0000	40	6.3	17	250	250	56	2.5		8SC	P
P650	842 300 000 0000	00	6	1	100		37	2.7		B4	T
P861	29X 130 000 0000	00	6				30			UX5	RF
P1320	023 100 780 0000	00	13	20	250	250	22	1.9		8SC	P
P2018	842 310 000 0000	00	20	15	200		20	4		B5	T
P2020	842 310 000 0000	70	20	18	200	200	20	1.7		B5	P
P2060	023 140 780 0000	00	24	19	200	100	40	3.2		8SC	P
P2460	842 310 000 0000	70	24	19	200	100	40			B5	P
P3580	047 231 800 0000	00	33	8.5	200	200	45	8		B7	P
P4100	842 300 000 0000	00	4	40	400		30			B4	T
PA1	842 310 000 0000	00	4	10	200		40	5		B5	P
PA20	842 300 000 0000	00	2	36	300		49	5.2		B4	T
PA40	842 300 000 0000	00	4	90	400		200	10		B4	T
PAB1	023 1Y0 X90 0000	00	6							8SC	DDD
PABC8	YX1 239 148 0000	00	9.5	2.3	200		1	1.4		B9A	DDDT
PB1	234 800 000 0000	00	2	4	150		11.5	3.8		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _o	V _{s2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE	
PB495	9X2 300 000 0000	00	4				30			B4	RR	
PBF2	028 9X7 310 0000	40	6	3	250	100	5.8	1.2		AO8	DDP	
PC86	841 234 148 0000	00	3.8	1.5	200		12	14		B9A	T	
PC88	414 234 484 0000	00	4	1.2	150		12.5	14		B9A	T	
PC92	802 304 100 0000	00	3.2	2	250		10	5		B7G	T	
PC93	842 314 800 0000	00	4.7	4	100		16	8		B9A	P	
PC95	142 380 100 0000	00	3.6	1.2	200		10	10.5		B7G	T	
PC96	412 314 800 0000	00	3.1	1	200		11.5	6.7		B7G	T	
PC97	142 380 100 0000	00	4.5	1	150		11	13		B7G	T	
PC900	412 380 100 0000	00	4	1	150		12	15		B7G	T	
PCC84	158 234 118 0000	00	7	1.5	90		12	6		B9A	TT	
PCC85	841 238 510 0000	00	9	2.1	200		10	5.8		B9A	TT	
PCC88	841 238 510 0000	00	7	1.2	90		15	12.5		B9A	TT	
PCC89	148 235 118 0000	00	7.2	1.2	90		15	12		B9A	TT	
PCC189	841 238 510 0000	00	7	1.2	90		15	12.5		B9A	TT	
PCC805	148 235 118 0000	00	7	1.2	90		15	9		B9A	TT	
PCC806	148 235 118 0000	00	7	1.2	90		15	9		B9A	TT	
PCE80	841 238 751 0000	00	10	{	200		10	3.4	{	B9A	TP	
					200	200	10	12.5				
					150		10	3.7			B9A	TP
PCE82	841 238 751 0000	00	10	{	200	200	10	12.5	{	B9A	TP	
					200		10	12.5				
PCE800	841 238 751 0000	00	9.4	{	200		10	3.4	{	B9A	TP	
					200	200	10	7.5				
PCF80	857 238 114 0000	00	9	{	2	100	14.0	5.0	{	B9A	TP	
					2.0	200	175	10.0		6.2		
PCF84	415 238 718 0000	00	9	{	2	100	14	2.5	{	B9A	TP	
					200	175	8	2.5				
PCF86	151 234 887 0000	00	8	{	3	100	14	6	{	B9A	TP	
					1.2	200	150	10		12		
PCF87	178 238 415 0000	00	7.4	{	3.2	100	15	8.5	{	B9A	TP	
						200	150	6.4		15		
PCF800	178 238 415 0000	00	9	{	100		6	5	{	B9A	TP	
					200	150	7.6	8.5				
PCF801	151 238 784 0000	00	8	{	3	100	15	8.5	{	B9A	TP	
					1.2	200	125	10		10.5		
PCF802	857 238 114 0000	00	9.0	{	2.0	200	3.5	3.5	{	B9A	TP	
					1.0	100	100	6.0		5.5		
PCF803	151 238 784 0000	00	9	{	3	100	15	9	{	B9A	TP	
						150	100	10		11		
PCF805	151 234 887 0000	00	7.4	{	3	100	14	5.5	{	B9A	TP	
					1.5	150	150	10		11		
PCF806	151 238 784 0000	00	8	{	3	100	14	5.5	{	B9A	TP	
					1.2	200	150	10		12		
PCF808	878 231 514 0000	00	7.4	{	3	100	14	5.5	{	B9A	TP	
					1.7	150	150	12		14.5		
PCL81	471 238 815 0000	00	12.6	{	1.9	150	1.3	1.6	{	B9A	TP	
					6.5	200	200	30		8.7		
PCL82	415 238 718 0000	00	16	{	1.5	200	1.7	2.4	{	B9A	TP	
					11	200	175	41		7.5		
PCL83	841 238 175 0000	00	12.5	{	8.5	250	0	10.5	2.2	{	B9A	TP
					9.0	200	175	30	4.7			
PCL84	481 238 157 0000	00	15	{	1.7	200	3	4	{	B9A	TP	
					2.9	200	200	18		10		
PCL85	841 238 715 0000	00	18	{	0.8	100	5	6.5	{	B9A	TP	
					15	200	175	41		7.5		
PCL86	417 238 158 0000	00	14.5	{	1.7	250	1.2	1.6	{	B9A	TP	
					5.7	250	250	39		10.5		
PCL88	415 238 718 0000	00	16	{		200	10	3.4	{	B9A	TP	
						200	200					
PCL300	{ 415 238 718 0000	{ 00	{ 16	{ 2.2	100		10	4.3	{	B9A	TP	
					13.5	175	45	7.5				
PCO3/3A	023 014 700 0000	80	2		300	125		1.4		8SC	P	
PCO3/3B	023 014 700 0000	80	4		300	125		1.4		8SC	P	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
PC05-15	023 014 700 0000	80	4		400	250	40	1.3		8SC	P
PD220	548 230 800 0000	00	2	1.2	150		0.8	0.9		B7	TT
PD220A	548 230 800 0000	00	2	3	150		5	1.5		B7	TT
PDD2	284 79X 130 0000	00	6.3	6	250	250	36	9		A08	DDP
PE04-10	023 114 700 0000	80	12		400	300	27	7.5		8SC	P
PE05-15	023 114 700 0000	80	12				40	1.5		8SC	P
PE05/25	278 130 000 0000	80	12.6	80	400	200	70			B5B	P
PE06/40P	123 114 700 0000	80	6	40	400	300	40	4		8SC	P
PE1-100	247 811 300 0000	00	12	33	400	250	40	6		B7A	P
Pen4DD	X19 238 700 0000	40	4	6	250	250	36	9.5		B7	DDP
Pen4V	842 310 000 0000	70	4	10	250	200	35	3		B5	P
Pen4VA	047 231 800 0000	00	4	20	250	250	36	2.8		B7	P
Pen4VA	842 310 000 0000	70	4	22	250	250	36	2.8		B5	P
Pen4VB	047 231 800 0000	00	4	5.8	250	250	36	9.5		B7	P
Pen4VX	842 310 000 0000	70	4	15	350	200	22	3.5		B5	P
Pen13	023 100 780 0000	40	13	14	200	200	25	2.5		8SC	P
Pen13A	023 110 780 0000	40	33	8.5	200	200	45	8		8SC	P
Pen13C	047 231 800 0000	00	13	11	250	250	32	6.5		B7	P
Pen20	842 310 000 0000	70	20	18	200	200	20	1.7		B5	P
Pen24	028 740 030 0000	00	2	3.3	200	125	5	4		M08	P
Pen25	208 740 030 0000	00	2	3.6	200	125	5	3		M08	P
Pen26	023 100 780 0000	40	24	19	200	100	40	3.1		8SC	P
Pen36A	145 231 800 0000	00	35	8.5	200	200	45	8		B7	P
Pen36C	047 231 800 0000	00	33	8.5	200	200	45	8		B7	P
Pen40DD	X19 238 700 0000	40	44	8.5	200	200	45	8		B7	DDP
Pen44	218 740 030 0000	00	4	11	300	275	70	10.6		M08	P
Pen45	218 740 030 0000	00	4	8.5	250	250	40	8.8		M08	P
Pen45AN	218 740 030 0000	00	4	8.5	250	250	40	8.8		M08	P
Pen45DD	218 7X0 930 0000	40	4	8.5	250	250	40	8.8		M08	DDP
Pen46	210 740 030 0000	80	4	8	300	225	63	8.5		M08	P
Pen141	208 740 030 0000	00	1.4	9	90	90	5.5	1.4		M08	P
Pen220	842 370 000 0000	00	2	4.9	150	150	9	2.2		B5	P
Pen220A	842 370 000 0000	00	2	9	150	150	18	2.2		B5	P
Pen230	842 370 000 0000	00	2	4.5	150	125	6	2.2		B5	P
Pen231	842 370 000 0000	00	2	2.5	150	125	5	4.4		B5	P
Pen383	218 740 030 0000	00	38	10	200	175	64	10.5		M08	P
Pen384	218 740 030 0000	00	38	7	150	125	40	7.8		M08	P
Pen425	842 370 000 0000	00	4	25	300	200	20	1.7		B5	P
Pen428	047 231 800 0000	00	4	13.8	250	250	72	8.5		B7	P
Pen453DD	218 7X0 930 0000	40	45	10	200	175	64	10.5		M08	DDP
Pen650	023 114 700 0000	80	5	24	400	300	30	5		8SC	P
Pen1340	047 231 800 0000	00	13	8.6	250	250	41	6.4		B7	P
Pen2020	023 100 780 0000	40	20	19	200	100	40	3.1		8SC	P
Pen3520	047 231 800 0000	00	35	8	200	200	40	7.3		B7	P
Pen3820	047 231 800 0000	00	38	10	150	175	64	10.5		B7	P
PenA1	842 370 000 0000	00	4	16.5	250	250	32	3		B5	P
PenA4	007 231 800 0000	40	4	5	250	250	40	9.1		B7	P
PenA4	047 231 800 0000	00	4	5.8	250	250	36	9.5		B7	P
PenB1	842 370 000 0000	00	2	4.5	150	150	8.5	2.5		B5	P
PenB4	047 231 800 0000	00	4	14	250	275	72	8.5		B7	P
PenDD61	98X 231 700 0000	40	6	5.3	250	250	32	8.5		B7	DDP
PenDD1360	X89 231 700 0000	40	13	5.3	250	250	32	8.2		B7	DDP
PenDD2530	98X 231 700 0000	40	25	7.8	250	250	43	7.8		B7	DDP
PenDD4020	X89 231 700 0000	40	40	7.7	250	250	43	7.8		B7	DDP
PenDD4021	X89 231 700 0000	40	45	10	200	175	64	10.5		B7	DDP
PF9	028 710 310 0000	40	6	3.5	250	100	7.5	1.7		A08	P
PF83	701 238 014 0000	00	4.5	2	60	50	1.9			B9A	P
PF86	701 238 014 0000	00	4.5	2	250	150	3	2		B9A	P
PF462	041 230 700 0000	80	2	1	150	150	3	1.9		B7	P
PF472	041 230 700 0000	80	2	0.5	150	150	2.5	1.7		B7	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _g mA/V	ADDENDA	BASE	TYPE
PFL200	517 823 147 8000	00	} 16.5	2.6	175	175	30	21	}	B10B	PP
PL11	802 301 470 0000	00		2.3	150	150	10	8.6		F8	P
PL33	028 740 310 0000	00		10.5	200	200	53	9		A08	P
PL36	020 740 310 000	80		5.3	250	250	32	9		A08	P
PL38	120 740 310 0000	80		25	200	175	100	11		A08	P
			30	5.5	200	200	75	13.5			
PL81	041 230 071 0000	80	21.5	28	200	200	30	6		B9A	P
PL81A	041 230 071 0000	80	21.5	24.5	175	175	45	6		B9A	P
PL81F	041 230 071 0000	80	21.5	28	200	200	30	6		B9A	P
PL82	041 230 807 0000	00	16	14.2	200	200	45	7.6		B9A	P
PL83	741 231 800 0000	00	15	2.3	200	175	36	10		B9A	P
PL84	041 230 807 0000	00	15	12.5	200	175	70	10		B9A	P
PL136	721 441 370 0000	80	35	12	100	100	90	19		A08	P
PL183	741 231 840 0000	00	12.6	2.1	150	225	40	25		B9A	P
PL300	721 441 370 0000	80	35	22.5	200	150	100	10		B8A	P
PL302	020 740 310 0000	80	25	20	150	150	80	12.5		A08	P
PL500	441 237 710 0000	80	27	14	150	150	100	10		B9D	P
PL502	441 237 710 0000	80	35	35	200	200	100	2		B9D	P
PL504	441 237 710 0000	80	27	21	175	175	100	7		B9D	P
PL505	417 237 141 0000	80	40	40	150	150	60	8		B9D	P
PL508	407 238 140 0000	00	17	18	200	200	60	9		B9D	P
PM820	041 231 771 0000	80	21.5	22	200	175	45	6.2		B9A	P
PM04	412 387 100 0000	00	6.3	1.2	250	100	11	4.4		B7G	P
PM05	412 387 100 0000	00	6.3	2.3	150	150	7	4.3		B7G	P
PM07	412 381 700 0000	00	6.3	2	250	250	10	7.5		B7G	P
PM1A	842 300 000 0000	00	2		100		1	1.2		B4	T
PM1HF	842 300 000 0000	00	2	3	150		1.5	0.8		B4	T
PM1HL	842 300 000 0000	00	2	1.5	150		2.3	1.2		B4	T
PM1LF	842 300 000 0000	00	2	6	150		3	0.9		B4	T
PM2	842 300 000 0000	00	2	7	100		4	0.9		B4	T
PM2A	842 300 000 0000	00	2	6	160		5	2		B4	T
PM2B	548 230 800 0000	00	2	1	150		3	2.5		B7	TT
PM2BA	548 230 800 0000	00	2	1	150		3	2.1		B7	TT
PM2DL	842 300 000 0000	00	2	4.5	150		2	1.5		B4	T
PM2DX	842 300 000 0000	00	2	5	150		2.3	1.1		B4	T
PM2HL	842 300 000 0000	00	2	1.5	150		2.2	1.4		B4	T
PM3	842 300 000 0000	00	4		100		2	1.1		B4	T
PM4DX	842 300 000 0000	00	4		100		1.5	2		B4	T
PM5	208 748 130 0000	00	} 6.3	15	200	200			Ra=1MΩ Ra=1MΩ	} A08	TI
PM12	742 300 000 0000	80		5	200	200					
PM12A	742 300 000 0000	80			150	75	4	1.1			
PM12M	742 300 000 0000	80	2	1	150	90	1.4	1.4		B4	P
PM12V	742 300 000 0000	80	2		150	90		0.7		B4	P
PM14V	742 300 000 0000	80	4		150	75	2.7	0.8		B4	P
PM22	842 370 000 0000	00	2	10	150	150	15	1.3		B5	P
PM22A	842 370 000 0000	00	2	4.5	150	150	5.6	2.2		B5	P
PM22C	842 370 000 0000	00	2	16	150	150	23	3		B5	P
PM22D	842 370 000 0000	00	2	2.4	150	150	5	3		B5	P
PM1HL	842 300 000 0000	00	2	1.5	150		2.3	1.2		B4	T
PM24	842 310 000 0000	70	4	11	150	150	20	1.7		B5	P
PM24A	842 370 000 0000	00	4	22.5	300	200	20			B5	P
PM24B	842 370 000 0000	00	4	40	400	300	30	2.1		B5	P
PM24C	842 370 000 0000	00	4	20	400	200		3		B5	P
PM24D	842 370 000 0000	00	4	35	400	200	50	4		B5	P
PM24DC	842 370 000 0000	00	4	42	300	200	20	1.5		B5	P
PM24E	842 370 000 0000	00	4	40	300	300	83	3.9		B5	P
PM24M	842 370 000 0000	00	4	17	250	250	30	3		B5	P
PM84	401 237 808 0000	00	4.2	22	250	250	0.5		Ra=500kΩ	B9A	TI
PM202	842 300 000 0000	00	2	14	150		14	3.5		B4	T
PM252	842 300 000 0000	00	2		100		32	3.7		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
PM254	842 300 000 0000	00	4	21	200		15			B4	T
PM256	842 300 000 0000	00	6	27	250		20			B4	T
PN2	842 370 000 0000	00	2	7.5	150	150	6			B5	P
PP2	842 300 000 0000	70	2	5	150	150	7	2.1		B4	P
PP2	842 370 000 0000	00	2	5	150	150	7	2.1		B5	P
PP2S	023 004 780 0000	00	2	5	150	150	7	2.1		8SC	P
PP3/250	842 300 000 0000	00	4	37	300		48	5.2		B4	T
PP4	842 370 000 0000	00	4	15	250	250	36	3		B4	P
PP4S	842 370 000 0000	00	4	15	250	250	36	3		B5	P
PP4S	032 004 780 0000	00	4	15	250	250	36	3		8SC	P
PP5/400	842 300 000 0000	00	4	32	400		62	8.2		B4	T
PP6AS	023 104 780 0000	00	6	18	250	250	32	2.8		8SC	P
PP6B	287 413 000 0000	00	6		250	250	36	10		UX6	P
PP6BG	028 740 310 0000	00	6	6	250	250	36	10		A08	P
PP6BS	028 740 310 0000	00	6	6	150	250	36	9		A08	P
PP6C	028 740 310 0000	00	6	12	250	200	36	10		A08	P
PP6E	047 231 800 0000	00	6	17	500	275	72	8.5		B7	P
PP13A	047 231 800 0000	00	13	12	200	200	40	2.6		B7	P
PP13S	023 100 780 0000	40	13	14	200	200	25	3.5		8SC	P
PP24	007 231 800 0000	40	24	19	200	100	40	3		B7	P
PP24S	023 100 780 0000	40	24	19	200	100	40	3		8SC	P
PP34	007 231 800 0000	40	35	6.5	200	200	45	8.5		B7	P
PP34S	023 100 780 0000	40	35	6.5	200	200	45	8.5		8SC	P
PP35	047 231 800 0000	00	35	6.5	200	200	45	8.5		B7	P
PP36	147 231 800 0000	00	35	6.5	200	200	45	8.5		B7	P
PP37	007 231 800 0000	40	35	9.5	200	100	45	8.5		B7	P
PP60	028 740 310 0000	00	6	15	250	250	85	6.3		A08	P
PP215	842 370 000 0000	00	2	4.5	90	90	8	1.7		8SC	P
PP215S	032 004 780 0000	00	2	4.5	90	90	8	1.7		8SC	P
PP220	842 300 000 0000	00	2	12	150		12.5	3		B4	T
PP222	842 370 000 0000	00	2	6	150	150	12	2.5		B5	P
PP225	842 370 000 0000	00	2	12	150	150	18	2		B5	P
PP225S	023 004 780 0000	00	2	12	150	125	18	2		8SC	P
PP415	842 370 000 0000	00	4	12	200	200	12	1.8		B5	P
PP416	842 370 000 0000	00	4	12	200	75	10	2		B5	P
PP430	842 370 000 0000	00	4	25	200	200	20	2		B5	P
PP431	842 370 000 0000	00	4	20	250	250	22	1.9		B5	P
PP472	041 230 700 0000	80	2	0.5	150	150	2.5	1.7		B7	P
PP2018	842 310 000 0000	70	20	18	200	200	20	2.5		B5	P
PP2018	047 231 800 0000	00	20	18	200	200	20	2.5		B7	P
PP2101	384 720 000 0000	00	2	3	150	150	7	2.1		UX5	P
PP3521	040 231 800 0000	00	35	25	200		70	6.3		B7	T
PP4100	842 370 000 0000	00	4	40	400	300	30	3		B5	P
PP4101	842 370 000 0000	00	4	14	250	250	36	3.5		B5	P
PP4118	180 472 300 0000	00	40	10	200	175	35	6.5		C7	P
PT	047 231 800 0000	00	4	6	250	250	32.5	7.5		B7	P
PT2	842 370 000 0000	00	2	4.5	150	125	5.3	2.6		B5	P
PT2	842 300 000 0000	70	2	4.5	150	150	6.5	2.5		B4	P
PT2A	842 370 000 0000	00	2	10.5	150	150	18			B5	P
PT2K	842 370 000 0000	00	2	4.5	150	150	9.5	2.5		B5	P
PT4	842 370 000 0000	00	4	17	250	250	30	3		B5	P
PT4	047 231 800 0000	00	4	6	250	250	36	9.5		B7	P
PT4	218 047 300 0000	00	4	6	250	250	31	7		B7	P
PT4D	X89 231 700 0000	40	4	6	250	250	32.5	7.5		B7	DDP
PT5	047 231 800 0000	00	26	7	250	250	36	9		B7	P
PT10	047 231 800 0000	00	4	7.5	250	250	40	9		B7	P
PT12	204 731 102 0000	80	10	15	250	250	62	6		B9	P
PT15	742 310 000 0000	80	6	25	300	300	40	2.8		B5	P
PT16	842 370 000 0000	00	4	15	300	300	55	4.8		B5	P
PT25	842 370 000 0000	00	4	22	400	200	62	4		B5	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
PT25H	842 370 000 0000	00	5	16	400	300	62	6.5		B5	P
PT41	842 370 000 0000	00	4	12.5	250	200	30	3		B5	P
PT41B	842 370 000 0000	00	4	40	400	300	30	2.2		B5	P
PT225	842 370 000 0000	00	2	6	150	150	8	2.3		B5	P
PT225	842 300 000 0000	70	2	6	150	150	8	2.3		B4	P
PT240	842 370 000 0000	00	2	9	150	150	16	2.5		B5	P
PT250	842 370 000 0000	00	2	15	250	250	40			B5	P
PT425	842 370 000 0000	00	4	7.5	150	150	15	2		B5	P
PTA	047 231 800 0000	00	13	10	250	250	32	4		B7	P
PTAD	X89 231 700 0000	40	4	6	250	250	7	7		B7	DDP
PTS	047 231 800 0000	00	26	8.2	250	250	32	6		B7	P
PTS	007 231 800 0000	40	26	5.5	250	250	40	6		B7	P
PTSA	98X 231 700 0000	40	26	5.5	200	200	40			B7	DDP
PTSD	X89 231 700 0000	40	26	5	250	200	40	6		B7	DDP
PTT120P	841 238 510 0000	00	18	1.5	250		10	5.5		B8D	TT
PTT122P	841 238 510 0000	00	18	2	250		10	5.5		B8D	TT
PTT141	802 441 443 0000	00	5.3	1.2	150		22	25		B9A	T
PTT202	412 378 010 0000	00	18	2.2	200	200	8	5.5		B8D	P
PTT202S	412 378 010 0000	00	18	2.2	200	200	8	5.5		B8D	P
PTT203	028 710 310 0000	40	18	5	200	200	35	8.5		A08	P
PTT203P	028 700 310 0000	40	18	5	200	200	35	8.5		A08	P
PTT208P	412 378 110 0000	00	18	4.5	200	200	18	6		B8D	P
PTT212P	412 378 010 0000	00	18	1.6	200	200	10.5	8.5		B8D	P
PTT213P	412 378 010 0000	00	6.3	1.6	200	200	10.5	8.5		B8D	P
PTT214P	412 387 110 0000	00	6.3	1.8	150	150	12.5	13.5		B8D	P
PTT216	402 108 073 0000	00	6.3	1.8	150	150	12.5	13.5		B8D	P
PTT217	123 141 718 0000	00	6.3	1.6	150	150	12.5	16		B9A	P
PTT241P	412 378 000 0000	00	6.3	2.9	250	225	34	12.5		B8D	P
PTT243P	421 378 130 0000	00	6.3	1.5	150	150	26	28		B8D	P
PTT244P	817 141 230 0000	00	18	1.5	150	150	26	27		B8D	P
PTZ	007 231 800 0000	40	40	5.5	250	200	40	7.5		B7	P
PV06-20	400 237 100 0000	80	6	40	200	300	40	4		B7	P
PV06-25	401 237 100 0000	80	6	40	200	300	40	4		B7	P
PV1-35	401 237 100 0000	80	12	25	250	200	40	2		B7	P
PV4	9X2 300 000 0000	00	4				60			B4	RR
PV25	0X1 231 900 0000	00	25				60			B7	RR
PV29	0X1 231 900 0000	00	30				60			B7	RR
PV29S	123 190 0X0 0000	00	30				60			8SC	RR
PV30	0X1 231 900 0000	00	30				30			B7	RR
PV30A	123 190 0X0 0000	00	30				30			8SC	RR
PV30S	123 1X0 090 0000	00	30				60			8SC	RR
PV75/1000	9X2 300 000 0000	00	4				30			B4	RR
PV100/2000	9X2 300 000 0000	00	4				60			B4	RR
PV200/600	9X2 300 000 0000	00	4				120			B4	RR
PV400	902 300 000 0000	00	4				30			B4	R
PV430	9X2 300 000 0000	00	4				15			B4	RR
PV475	9X2 300 000 0000	00	4				15			B4	RR
PV480	902 300 000 0000	00	4				30			B4	R
PV495	9X2 300 000 0000	00	4				30			B4	RR
PV3018	1X0 912 300 0000	00	30				60			C7	RR
PV4100	9X2 300 000 0000	00	4				30			B4	RR
PV4200	9X2 300 000 0000	00	4				60			B4	RR
PV4201	9X2 300 000 0000	00	4				60			B4	RR
PV4300	9X2 300 000 0000	00	4				60			B4	RR
PVB6	9X2 310 000 0000	00	6				60			B5	RR
PX2	842 300 000 0000	00	2	22	150		22	1.5		B5	T
PX4	842 300 000 0000	00	4	43	300		43	6		B4	T
PX5	842 300 000 0000	00	4	34	400		62.5	6.5		B4	T
PX25	842 300 000 0000	00	4	31	400		40	7.5		B4	T
PX25A	842 300 000 0000	00	4	100	400		62.5	3.7		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
PX41	842 300 000 0000	00	4	40	250		49	6		B4	T
PX230	842 300 000 0000	00	2	15	150		17.5	3.5		B4	T
PX230SW	802 300 000 0000	40	2	15	150		18	3.5		B4	T
PX240	842 300 000 0000	00	2	32	200		25	3		B4	T
PX2100	842 300 000 0000	00	7.5	30	400		18	1.6		Sm4	T
PY31	020 090 310 0000	00	17				120			A08	R
PY32	029 090 310 0000	00	29				180			A08	R
PY33	029 090 310 0000	00	29				180			A08	R
PY71	200 900 030 0000	10	21				120			B9B	R
PY80	001 230 009 0000	00	19				180			B9A	R
PY81	000 230 009 0000	10	17				120			B9A	R
PI82	001 230 009 0000	00	19				180			B9A	R
P83	000 230 009 0000	10	20				120			B9A	R
PI88	000 230 009 0000	10	26				120			B9A	R
PY300	029 090 310 0000	00	29				180			A08	R
PI500	090 230 990 0000	10	42				180			B9D	R
PI800	000 230 009 0000	10	19				120			B9A	R
PI801	000 230 009 0000	10	19				120			B9A	R
PZ	284 730 000 0000	00	2.5	16.5	250	250	31	2.5		UX5	P
PZ03-3	401 237 000 0000	80	4	25	300	125	25	1.4		B7	P
PZ05-15	401 237 000 0000	80	4		400	150	40	1.2		B7	P
PZ30	02X 193 210 0000	00	26				120			A08	RR
PZH	287 413 000 0000	00	2.6	16.5	250	250	34	2.2		UX6	P
QA2400	412 381 700 0000	00	6	2.5	200	200	8	2.5		B7G	P
QA2401	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
QA2402	412 380 700 0000	00	6	13.5	250	250	16	2.6		B7G	P
QA2403	412 381 700 0000	00	6	2.0	250	250	10.0	7.5		B7G	P
QA2404	1X2 310 900 0000	00	6				3			B7G	DD
QA2405	241 878 153 0000	00	6	14	250	150	30	3.9		B9G	PP
QA2406	581 228 413 0000	00	6	2	250		10	5.5		B9A	TT
QA2407	902 30X 100 0000	00	6				30			B7G	RR
QA2408	581 481 230 0000	00	6	8	250		9	2.6		A08	TT
QB65	481 581 230 0000	00	6	8	250		9	2.6		A08	TT
QB309	841 228 513 0000	00	6	2	250		10	5.5		B9A	TT
QC05/35	237 242 300 0000	80	1.6		200	200	100	7		A08	P
QD77	192 310 X00 0000	00	6							B7G	DD
QE04/10	287 711 413 0000	00	6	12	300	150	25	1.9		B8G	P
QE05	127 141 300 0000	80	6		200	200	100	7		A08	P
QE06/50	274 130 000 0000	80	6	14	200	250	83	6.5		UX5	P
QL77	802 384 100 0000	00	6	8.5	250		10.5	2.2		B7G	T
QX77	412 380 700 0000	00	6	12.5	250	250	16	2.6		B7G	P
QP21	548 237 800 0000	00	2	4.5	150	150	11	2.3		B7	PP
QP22A	487 230 785 0000	00	2	12	150	150	3	4		B9	PP
QP22B	458 237 800 0000	00	2	11.7	150	150	3.8			B7	PP
QP25	208 745 830 0000	00	6	2	150	125	10	3		M08	PP
QP230	548 237 800 0000	00	2	9.6	150	125	4.6	3		B7	PP
QP240	487 230 785 0000	00	3	5	150	150	25	4		B9	PP
QPT2	548 237 800 0000	00	2	4.5	150	150	11	2.3		B7	PP
QQ03/12	801 237 144 0000	00	6		300	250	45	7		B9A	P
QQ03/14	415 238 782 0000	00	3.1		200	200	30	3.2		B9A	PP
QQ04/15	283 824 740 0000	00	6	14	200	200	20	2		B8B	P
QQE02-5	417 22X 783 0000	00	6.3		150	150	25	10.5		B9A	PP
QQE03-12	514 228 783 0000	00	6.3	15	200	200	30	3.3		B9A	PP
QQE03/20	257 134 200 0000	88	6	17	400	200	20	2.5		B7A	PP
QQE04-20	247 135 200 0000	88	6	26	400	250	30	3		B7A	PP
QQE06-40	257 134 200 0000	88	6		400	250	30	3.4		B7A	PP
QQV02-6	415 228 783 0000	00	6.3	2.5	150	150	25	10.5		B9A	PP
QQV03-10	514 228 783 0000	00	6	10	200	150	30	3.3		B9A	PP
QQV03-20	247 135 200 0000	88	6.3	17	300	200	20	2.5		B7A	PP
QQV03-20A	247 135 200 0000	88	6.3	17	300	200	20	2.5		B7A	PP

VALVE TYPE	SELECTOR SWITCH NUMBER				TOP CAP	V _f	V _{s1}	V _o	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
QQV03-25	257	104	300	0000	88	12.6		200	200	40	2.5		B7A	PP
QQV04-15	257	134	200	0000	88	6.3	27	400	250	30	3		B7A	PP
QQV04-20	251	731	420	0000	88	6	23	400	200	25	4		B7A	PP
QQV06-40	247	135	200	0000	88	6.3		400	250	30	3.4		B7A	PP
QQV06-40A	247	135	200	0000	88	6.3		400	250	30	3.4		B7A	PP
QQV07-40	247	135	200	0000	88	6.3		300	250	25	1.9		B7A	PP
QQV07-50	257	104	300	0000	88	12.6		200	200	30	4.5		B7A	PP
QQV07-50	347	125	300	0000	88	6.3		400	250	100	4.5		B7A	PP
QQZ03-20	247	105	200	0000	88	1.6		300	250	40	4		B7A	PP
QQZ04-15	283	825	740	0000	00	3	10	300	200	20	2		B8B	PP
QQZ06-40	257	304	200	0000	88	2.1		200	200	30	4.5		B7A	PP
Q/U37	023	000	000	0000	90	1.4							B3G	D
Q/L452	230	000	000	0000	90	2							B3G	D
QU456	230	000	000	0000	90	6.3							B3G	D
QV03-12	801	237	144	0000	00	6	7.5	250	250	45	7		B9A	P
QV04-7	287	711	413	0000	00	6	30	300	250	25	1.9		B9G	P
QV04-12	801	237	144	0000	00	6	7.5	250	250	45	7		B9A	P
QV04-15	247	135	200	0000	88	6.3	60	400	250	90			B7A	PP
QV04-20	241	731	520	0000	88	6	22	400	200	25	4		A08	PP
QV05-25	274	130	000	0000	80	6	12.5	300	250	83	6.5		UX5	P
QV06-20	127	141	310	0000	80	6	28	200	200	100	7		A08	P
QW77	412	381	700	0000	00	6	2.5	200	200	8	2.5		B7G	P
QZ06-20	237	242	300	0000	80	1.6		200	200	100	7		A08	P
QZ77	412	381	700	0000	00	6	2	250	250	10	7.6		B7G	P
R1	9X2	300	000	0000	00	4				30			B4	RR
R2	9X2	300	000	0000	00	4				60			B4	RR
R3	9X2	300	000	0000	00	4				60			B4	RR
R4	9X2	300	000	0000	00	4				60			B4	RR
R4A	9X2	300	000	0000	00	4				60			B4	RR
R4B	902	300	000	0000	00	4				60			B4	R
R10	112	311	100	0000	90	4				5			B7G	R
R11	002	300	000	0000	90	4				60			B4	R
R12	023	000	000	0000	90	6							B3G	D
R13A	029	0X0	310	0000	00	13				30			A08	RR
R14	029	1X3	210	0000	00	26				120			A08	RR
R16	123	000	000	0000	90	1.4							B3G	D
R17	001	230	000	0000	90	6				120			B9A	R
R18	001	230	000	0000	90	6				120			B9A	R
R19	230	232	032	0000	90	1.2							B9A	D
R20	230	232	032	0000	90	2							B9A	R
R41	9X2	300	000	0000	00	4				60			B4	RR
R42	9X2	300	000	0000	00	4				60			B4	RR
R43	9X2	300	000	0000	00	4				180			B4	RR
R52	030	90X	020	0000	00	5				60			A08	RR
R80	284	300	000	0000	00	4	24	250		20	4		UX4	T
R116	028	740	310	0000	40	10	2.2	200	200	8			A08	P
R120	028	040	310	0000	00	6.3		250		60	6.4		A08	T
R122N	028	710	310	0000	40	18		200	200	8	5.5		A08	P
R123	028	700	310	0000	40	18		200	200	35	8.5		A08	P
R125C	028	9X0	310	0000	40	18	5.5	250		5	2.5		A08	DDT
R125N	028	9X0	310	0000	40	18		250			2.5		A08	DDT
R126P	028	710	310	0000	40	18		200	200	6	1.7		A08	P
R126N	028	710	310	0000	40	18		200			1.7		A08	P
R128	029	1X0	310	0000	00	18							A08	DD
R134	028	741	310	0000	00	18		200	200	18	6		A08	P
R142	412	378	010	0000	00	6.3		200	200	10.5	8.5		B8D	P
R143	412	378	010	0000	00	6.3		200	200	8	5.5		B8D	P
R144	412	3X1	700	00X0	00	6.3	2	250	250	10	7.6		B7G	P
R145	412	378	010	0000	00	18		200	200	8	5.5		B8D	P
R147	412	378	110	0000	00	18		200	200	18	6		B8D	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
R148	841 238 510 0000	00	18		250		10	5.5		B8D	TT
R150	123 141 718 0000	00	6.3	1.6	150	150	12.5	16		B9A	P
R236	028 710 300 0000	40	1.2	2	100	100	1	0.5		A08	P
R242P	400 123 080 0000	00	6.3	4.5	150		15	4.3		B5A	T
R244	402 013 080 0000	00	6.3		150		13			B8D	T
R265	412 380 710 0000	00	6.3		100	100	7.5	5		B8D	P
R271	412 183 710 0000	00	6.3	2	150	125	5.2	3.2		B8D	P
R290	020 090 030 0000	00	1.2				5			A08	D
R2018	842 310 000 0000	00	20	2.5	200		2.5	3		B5	T
R5559	802 101 413 0000	00	6.3	1.5	150		25	25		B5D	T
RA	9X2 310 000 0000	00	13				30			B5	RR
RA1	384 200 000 0000	00	15	4.5	90		4.5	1.2		UX4	T
RB350/80	9X2 300 000 0000	00	4				30			B4	RR
RB500/120	9X2 300 000 0000	00	4				60			B4	RR
RB650/250	9X2 300 000 0000	00	4				120			B4	RR
RC5B	023 009 080 0000	40	12.6		100		24	6		8SC	DT
RC5C	023 009 080 0000	40	2.4		100		24	6		8SC	DT
RE034	842 300 000 0000	00	4	3	200		2	1.2		B4	T
RE052	842 300 000 0000	00	2	3	150		1	1		B4	T
RE054	842 300 000 0000	00	4	4	150		4	1.3		B4	T
RE062	842 300 000 0000	00	2	9	150		4	1		B4	T
RE074	842 300 000 0000	00	4	9	150		3.5	0.9		B4	T
RE074D	842 300 000 0000	00	4	3	150		3.5	0.5		B5	T
RE074N	842 300 000 0000	00	4	9	150		3.5	0.9		B4	T
RE076	842 300 000 0000	00	6	9	150		4	1.5		B4	T
RE084	842 300 000 0000	00	4	4	150		4	1.5		B4	T
RE114	842 300 000 0000	00	4	15	150		13	1.3		B4	T
RE122	842 300 000 0000	00	2	19	150		7	1.2		B4	T
RE122	284 300 000 0000	00	2	4.5	150		3	1.3		UX4	T
RE124	842 300 000 0000	00	4	18	150		11	1.6		B4	T
RE134	842 300 000 0000	00	4	17	250		12	2		B4	T
RE144	842 300 000 0000	00	4	9	150		2	0.7		B4	T
RE304	842 300 000 0000	00	4	32	250		20	1.9		B4	T
RE402B	084 235 800 0000	00	2		150		3			B7	TT
RE404	842 300 000 0000	00	3.5		200			0.6		B4	T
RE604	842 300 000 0000	00	4	45	250		40	2.5		B4	T
REN704	872 310 000 0000	40	4		100		2	1.2		B5	P
REN904	842 310 000 0000	00	4	3.5	200		6	2.4		B5	T
REN914	842 310 000 0000	00	4	1.5	200		0.2			B5	T
REN924	842 310 000 0000	90	4	3	200		6	2		B5	DT
REN1004	842 310 000 0000	00	4		200			1.5		B5	T
REN1104	842 310 000 0000	00	4	16	200		12	1.3		B5	T
REN1814	842 310 000 0000	00	20	1.6	200		0.2	1		B5	T
REN1817D	872 310 000 0000	40	20		100	100		1.1		B5	P
REN1821	842 310 000 0000	00	20	3	2000						
REN1822	842 310 000 0000	00	20	18	200		15	1.6		B5	P
REN1826	842 310 000 0000	90	20	3	200		6	1.8		B5	DT
RENS1204	742 310 000 0000	80	4	2	200	60	4	1		B5	P
RENS1214	742 310 000 0000	80	4	2.2	200	100	6	1		B5	P
RENS1224	184 772 300 0000	40	4	1.5	100	125	3	0.6		C7	P
RENS1234	187 472 300 0000	40	4	2	200	75	3	1.8		C7	P
RENS1264	742 310 000 0000	80	4	2	200	100	3	2		B5	P
RENS1264B1	742 300 000 0000	80	4	2	200	100	3	2		B4	T
RENS1274	742 310 000 0000	80	4		200	100	3	2		B5	P
RENS1274D	842 310 000 0000	70	4	18	250	250	24	2.5		B5	P
RENS1284	742 310 000 0000	80	4	2	200	100	3	2.5		B5	P
RENS1294	742 310 000 0000	80	4	2	200	100	4.5	2		B5	P
RENS1384	842 310 000 0000	70	4	22	250	250	36	2.8		B5	P
RENS1818	742 310 000 0000	80	20	2	200	100	3	2		B5	P
RENS1819	742 310 000 0000	80	20		200	60	4	1		B5	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _o	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
RENS1820	742 310 000 0000	80	20	2	200	60	4	1		B5	P
RENS1823D	842 310 000 0000	70	20	18	200	200	20	1.7		B5	P
RENS1884	742 310 000 0000	80	20	2	200	100	3	2.4		B5	P
RENS1894	742 310 000 0000	80	20	2.2	200	100	4	1.8		B5	P
RES094	742 300 000 0000	80	4	2	200	75	4	7		B5	P
RES105	842 370 000 0000	00	5	15	200	150	12	1.3		B5	P
RES105	842 300 000 0000	70	5	15	200	150	12	1.3		B4	P
RES164	842 370 000 0000	00	4	11.5	250	75	12	1.4		B5	P
RES174D	842 300 000 0000	70	4	19	250	150	12	1.3		B4	P
RES212	842 370 000 0000	00	2	4.4	150	115	6	2.2		B5	P
RES364	842 370 000 0000	00	4	2.5	300	200	20	1.7		B5	P
RES374	842 370 000 0000	00	4	42	300	200	20	1.5		B5	P
RES664D	842 370 000 0000	00	4	40	400	200	30	1.9		B5	P
RES964	842 370 000 0000	00	4	15	250	250	36	2.8		B5	P
RFG5	003 200 000 0000	90	6							F8	R
RFP8/14	041 231 700 0000	80	4	20	400	250	35	4		B7	P
RFP8/14	742 310 000 0000	80	4	20	400	250	35	4		B5	P
RG250/1000	002 300 000 0000	90	4				120			B4	R
RG250/3000	290 300 000 0000	00	2.5				120			UX4	R
RGN354	902 300 000 0000	00	4				15			B4	R
RGN504	9X2 300 000 0000	00	4				15			B4	RR
RGN564	902 300 000 0000	00	4				30			B4	RR
RGN1064	9X2 300 000 0000	00	4				30			B4	RR
RGN1074	9X2 300 000 0000	00	4				60			B4	RR
RGN1304	902 300 000 0000	00	4				60			B4	R
RGN1404	092 300 000 0000	00	4				120			B4	R
RGN1503	9X2 300 000 0000	00	2.5				30			B4	RR
RGN2004	9X2 300 000 0000	00	4				60			B4	RR
RGN2504	9X2 300 000 0000	00	4				60			B4	RR
RGN4004	9X2 300 000 0000	00	4				120			B4	RR
RH	081 231 700 0000	40	4	1.7	250	100	7.9	7		B7	P
RK10	284 300 000 0000	00	7.5	100	350		50			UX4	T
RK15	284 300 000 0000	00	2.5	33	250		22	2.3		UX4	T
RK16	284 130 000 0000	00	2.5	28	250		26	2.6		B5	T
RK19	200 300 000 0000	9X	7.5				120			UX4	RR
RK21	200 300 000 0000	90	2.5				120			UX4	R
RK24	384 200 000 0000	00	2	13.5	200		8	1.6		UX4	T
RK39	274 130 000 0000	80	6	14	300	250	83	6.5		UX5	P
RK60	200 300 000 0000	9X	5				120			UX4	RR
RL2T2	238 400 000 0000	00	1.9	1.5	100		15	2.4		5AA	T
RL7	287 114 113 0000	00	6	1.7	250	250	10	7.7		B9G	P
RL12P2	287 114 113 0000	00	12.6	6	150	150	15	2.3		B9G	P
RL15A	710 423 208 0000	00	2.4	20	350	200	57			B9A	P
RL16	241 800 003 0000	00	6	2.5	250		10	6.5		B9G	T
RL18	123 000 000 0000	00	6	3.3	200		7.5	2.9		B3G	T
RL37	244 884 413 0000	00	6	1.5	250		10	9		B9G	T
R0337	9X2 300 000 0000	00	2.5				30			B4	RR
R0423	9X2 300 000 0000	00	2.5				30			B4	RR
R0431	9X2 300 000 0000	00	4				60			B4	RR
R0443	9X2 300 000 0000	00	4				60			B4	RR
R0446	9X2 300 000 0000	00	4				30			B4	RR
R0452	9X2 300 000 0000	00	4				60			B4	RR
R0457	9X2 300 000 0000	00	4				60			B4	RR
R0481	902 300 000 0000	00	4				120			B4	R
R0534	9X2 300 000 0000	00	5				60			B4	RR
R0771	902 300 000 0000	00	7.5				120			B4	R
RRAP	842 300 000 0000	00	4	2	100		4	1.4		B4	T
RRBF	842 300 000 0000	00	4	2.5	100		10	1.2		B4	T
RS	902 310 000 0000	00	3				60			B5	R
RS242	842 300 000 0000	00	3.8	5	400		70	3		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
RS1009	247 135 200 0000	88	6	25	400	250	30	3.4		B7A	FP
RS1019	247 235 200 0000	88	6	20	400	250	20	2.5		B7A	FP
RSAF	742 300 000 0000	80	4	1	150	75	4.5	1.2		B4	T
RT1-2	842 300 000 0000	00	4	2.6	150		26	2.5		B4	T
RT2	842 300 000 0000	00	4	4	200		18	1.7		B4	T
RT3	842 300 000 0000	00	4	2.3	300		15	2.8		B4	T
RTR4141	028 710 310 0000	40	5.2	3	250	100	2.5	1.2		A08	P
RTR4142	028 710 310 0000	40	5.2	8	150	125	15	2.7		A08	P
RTR4341	081 231 700 0000	40	21	2.2	150	8	8	8		B4	P
RTR4342	007 231 800 0000	40	21	5.8	150	125	48	9		B7	P
RV12P2000	470 812 310 0000	00	12.6	2.3	200	75	1.8	1.5		B7	P
RV120/250	9X2 300 000 0000	00	12.6	2.3	200	75	1.8	1.5		B7	P
RV120/250	9X2 300 000 0000	00	4				60			B4	RR
RV120/350	9X2 300 000 0000	00	4				60			B4	RR
RV120/350S	023 090 0X0 0000	00	4				60			8SC	RR
RV120/500	9X2 300 000 0000	00	4				60			B4	RR
RV120/500S	023 090 0X0 0000	00	4				60			8SC	RR
RV200/600	9X2 300 000 0000	00	4				120			B4	RR
RV210	042 310 000 0000	80	4	53	400		70	5.8		B5	T
RX21	200 030 000 0000	90	2.5				120			UX5	R
RX215	39X 200 000 0000	00	2.5				5			UX4	RR
RZ	023 100 090 0000	00	20				60			8SC	R
S2	742 300 000 0000	80	2	1	150	60	2.3	1.1		B4	P
S2P20	801 227 413 0000	00	5	10	150	150	28	4.4		B9A	P
S4V	742 310 000 0000	80	4	1	200	75	1.5	1.1		B5	P
S4VA	742 310 000 0000	80	4	1.5	200	100	2.8	2		B5	P
S4VB	742 310 000 0000	80	4	1.5	200	125	4.6	2.5		B5	P
S6F12	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
S6F17	412 381 700 0000	00	6	5	100	100	12.5	4		B7G	P
S6F17F	412 381 700 0000	00	6.3		200	200	17	4		B7G/F	P
S6F33	412 381 700 0000	00	6.3	3.3	200	200	7.1	4		B7G	P
S11A	9X2 300 000 0000	00	4				30			B4	RR
S11D	9X2 300 000 0000	00	4				60			B4	RR
S11E12	028 741 310 0000	00	6.3	60	400	300	100	6.3		A08	P
S12	742 300 000 0000	80	2	1	100	30	2.5	0.7		Sm4	P
S19G6	012 300 000 0000	90	4				30			B7G	R
S19G6F	012 300 000 0000	90	4				30			B7G	R
S21	742 300 000 0000	80	2		150	75	3.6	1.1		B4	P
S22	742 300 000 0000	80	2		150	75	4	1.7		B4	P
S23	742 300 000 0000	80	2	1.5	150	75	2.8	1.1		B4	P
S24	742 300 000 0000	80	2	1	150	75	3.2	1.4		B4	P
S30C	842 300 000 0000	00	4	38	300		50	5		B4	T
S30D	842 300 000 0000	00	2	38	300		50	5		B4	T
S207	742 300 000 0000	80	2	1.5	200	100	3	0.7		B4	P
S208	542 300 000 0000	80	2		200	100	2	0.8		B4	P
S209	023 010 780 0000	40	2	0.5	150	125	2.4	0.7		8SC	P
S210	842 300 000 0000	70	2	1.5	150	90	3	1.2		B4	P
S213	742 300 000 0000	80	2	0.5	150	90	3	1.3		B4	P
S215	742 300 000 0000	80	1	1	150	90		0.9		B4	P
S215A	742 300 000 0000	80	2	1	150	60	2	1.1		B4	P
S215B	742 300 000 0000	80	2	1	150	60	1.5	1.2		B4	P
S215VM	742 300 000 0000	80	2	1.4	150	60	1	0.8		B4	P
S217	742 300 000 0000	80	2	0.5	150	150	2.3	1.7		B4	P
S217	041 230 700 0000	80	2	0.5	150	150	2.5	1.7		B7	P
S218	041 230 700 0000	80	2	0.5	150	150	3	1.9		B7	P
S220	742 300 000 0000	80	2		150	75	4	1.1		B4	P
S310A	287 113 000 0000	40	10	3	150	150	5.5	1.9		UX6	P
S311A	287 130 000 0000	40	10	15	150	150	30	2.8		UX5	P
S328A	287 113 000 0000	40	7.5	3	150	150	5.5	1.9		UX6	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
S329A	287 130 000 0000	40	7.5	15	150	150	30	2.8		UX5	P
S329L	287 113 000 0000	40	7.5	50	150	125	30	2.8		UX6	P
S406/7	742 300 000 0000	80	4	2	200	150	1.5	1		B4	P
S408	742 300 000 0000	80	4	1.5	200	75	4	0.7		B4	P
S409	742 300 000 0000	80	4	1.5	200	75	4	8.8		B4	P
S410	742 300 000 0000	80	4	1.5	200	75	4	1		B4	P
S410N	742 310 000 0000	80	4	2	200	60	4	1		B5	P
S412N	742 310 000 0000	80	4	1.3	200	100	1.5	1		B5	P
S415N	742 310 000 0000	80	4	2	200	100	6	1		B5	P
S420	081 231 700 0000	40	4	3	250	250	11.5			B7	P
S423	023 110 780 0000	40	4	3	250	100	8	1.8		8SC	P
S424	023 110 780 0000	40	4	2	250	100	3	2.1		8SC	P
S430N	742 310 000 0000	80	4	1.3	200	100	1.5	0.9		B5	P
S431N	742 310 000 0000	80	4	1.5	250	100	3	2		B5	P
S432N	023 110 780 0000	40	4	3	250	100	2.5	2.2		8SC	P
S434N	742 310 000 0000	80	4	2	200	100	4.5	2.3		B5	P
S434N	041 231 700 0000	80	4	1.5	200	100	4.5	2		B7	P
S435N	742 310 000 0000	80	4	2	200	100	3	2.3		B5	P
S435N	041 231 700 0000	80	4	2	200	100	3	2.3		B7	P
S440	081 231 700 0000	40	4	2.4	250	250	4.1	3.5		B7	P
S493	742 310 000 0000	80	4	2	200	100	4			B5	P
S495	742 310 000 0000	80	4	2	200	100	6	2.5		B4	P
S617	023 110 780 0000	40	6.3	3	250	100	2.5	2.2		8SC	P
S620	023 110 780 0000	40	6.3	2.5	250	100	3.5	2		8SC	P
S629	023 110 780 0000	40	6.3	2.5	250	100	3.5	2		8SC	P
S1323	023 110 780 0000	40	13	3	200	100	8	1.9		8SC	P
S1323	081 231 700 0000	40	13	3	200	100	8	1.9		B7	P
S1324	081 231 700 0000	40	13	2	200	100	3	2.4		B7	P
S1327	023 110 780 0000	40	13	2.5	250	100	3.5	2		8SC	P
S1328	023 110 780 0000	40	13	2	200	100	3	2.4		8SC	P
S2010N	742 310 000 0000	80	20	2	200	60	4	1		B5	P
S2012N	742 310 000 0000	80	20	2	200	60	4	1		B5	P
S2018	041 231 700 0000	80	20	3	200	60	4	1.2		B7	P
S2018	742 310 000 0000	80	20	3	200	60	4	1.2		B5	P
S2030N	742 310 000 0000	80	20	2	200	100	3	2		B5	P
S2035N	742 310 000 0000	80	20	2.5	250	100	3.5	2		B5	P
S2043	742 310 000 0000	80	20	2.5	250	100	5	2		B5	P
S4020A	274 300 000 0000	00	2	1	150		1.3	0.6		UX4	T
S4020B	842 300 000 0000	00	2	1	150		1.3	0.6		UX4	T
S4021A	284 300 000 0000	00	4	8	150		20	3		UX4	T
S4021B	842 300 000 0000	00	4	8	150		20	3		B4	T
S4022AR	238 400 000 0000	00	4	4.5	150		5	2.2		UX4	T
S4022B	842 300 000 0000	00	4	4.5	150		5	2.2		B4	T
S4045A	842 370 000 0000	00	4	70	250	75	45	1.5		B5	P
SD	9X2 310 000 0000	00	5							B5	DD
SD2	842 300 000 0000	00	2	1.5	150		2.2	1.4		B4	T
SD6	092 310 000 0000	00	6				5			B7G	R
SD61	123 000 000 0000	90	6							B3G	D
SD917A	402 013 080 0000	00	6.3	3.6	100		1.4	2.7		B8A	T
SD917A	402 013 090 0000	00	6.3	4.7	100		1.4	2.7		B8A	T
SE211	742 300 000 0000	80	2	1	150	75	1	1.5		B4	P
SE211C	742 300 000 0000	80	2	1	150	75	1	1.5		B4	P
SE2018	742 310 000 0000	80	20	3	200	60	4	1.2		B5	P
SE2118	742 310 000 0000	80	20	24	200	100	3	3		B5	P
SG2	742 300 000 0000	80	2		150	75	2.5	1		B4	P
SG215	742 300 000 0000	80	2	1.5	150	75	2.7	1		B4	P
SG215VM	742 300 000 0000	80	2		150	75		1.5		B4	P
SG220SW	872 300 000 0000	40	2	1.5	150	75	2.4	1.5		B4	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADOENDA	BASE	TYPE
SG2150	742 300 000 0000	80	2	1.5	150	75	1.5	1.1		B4	P
SGA1	742 310 000 0000	80	4		200	100	6	3		B5	P
SN954	092 913 090 0000	00	6.3				30			B8A	R
SN956B	023 990 000 0000	00	1.2							B3G	D
SN1007	412 183 710 0000	00	6.3	0.8	100	100	5.3	3.2		B8A	P
SN1039A	412 387 100 0000	00	6.3	1.4	100	100	7	5.1		B7G	P
S01	284 300 000 0000	00	15	40.5	200		21	1.5		UX4	T
S02	284 300 000 0000	00	7.4	88	400		55	2.1		UX4	T
S0401	002 300 000 0000	84	4		400			2		B4	T
SP2	041 230 700 0000	80	2		150	150	3	1.8		B7	P
SP2B	081 230 700 0000	40	2	1	150	150	2.6	0.8		B7	P
SP2BS	032 004 780 0000	00	2	0.5	150	150	2.6	0.8		8SC	P
SP2D	081 230 700 0000	40	2	1	150	150	1.4	1.7		B7	P
SP2D	742 300 000 0000	80	2	1	150	125	1.5	1.7		B4	P
SP2V	041 230 700 0000	80	2		150	75	2.9	1.1		B7	P
SP4(TUNG)	081 231 700 0000	40	4	2	200	100	3	2.3		B7	P
SP4(MUL)	041 231 700 0000	80	4	2	200	100	3	2.3		B7	P
SP4	742 310 000 0000	80	4	2	200	100	3	2.3		B5	P
SP4A	041 231 700 0000	80	4	2	250	100	3	2.4		B7	P
SP4B	081 231 700 0000	40	4	2.4	250	250	4	3.4		B7	P
SP4C	023 110 780 0000	40	4	2.4	250	250	4	3.4		8SC	P
SP4S	023 110 780 0000	40	4	2	250	100	3	2.5		8SC	P
SP6	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
SP6S	023 110 780 0000	40	6	2	250	100	3	2		8SC	P
SP13	081 231 700 0000	80	13	2	200	100	3.3	2.2		B7	P
SP13	023 110 780 0000	40	13	2	200	100	3.3	2.2		8SC	P
SP13C	081 231 700 0000	40	13	2.2	200	200	2.5	2.8		B7	P
SP13S	023 110 780 0000	40	13	2	150	100	3	2.4		8SC	P
SP20	742 310 000 0000	80	20		200	100	4.5	3.5		B5	P
SP22	208 710 030 0000	40	2	1	150	125	1.1	1.2		M08	P
SP35	023 110 780 0000	40	35	8	200	200	41	7		8SC	P
SP41	218 710 030 0000	40	4	1.5	200	200	10.9	8.5		M08	P
SP42	218 710 030 0000	40	4	1.3	200	125	20	8.4		M08	P
SP61	218 710 030 0000	40	6	1.5	200	200	10.9	8.5		M08	P
SP62	218 710 030 0000	40	6	1.3	200	100	16	9		M08	P
SP65	023 110 780 0000	40	6	2	250	100	3	2.1		8SC	P
SP141	208 700 030 0000	40	1.4	1	90	90	1.3	0.8		M07	P
SP181	218 710 030 0000	40	18	1.5	200	200	10.9	8.5		M08	P
SP210	041 230 700 0000	80	2	1	125	125	1.1	1.2		B7	P
SP215	041 230 700 0000	80	2	1.5	150	80	2.1	1.6		B7	P
SP220	842 300 000 0000	00	2	12	150		14	3		B4	T
SP514	402 108 073 0000	00	6.3	1.7	150	150	12.3	13.5		B9A	P
SP804E	211 043 000 0000	80	6.3	15	500		40	4		UX6	T
SP804F	211 043 000 0000	84	6.3	15	500		40	4		UX6	T
SP1320	041 231 700 0000	80	13	1.5	150	100	4.4	2		B7	P
SP2220	041 231 700 0000	80	22	3	250	200	4.9	2.7		B7	P
SPT2	041 230 700 0000	80	2	1	125	125	2.8	1.5		B7	P
SPT4A	041 231 700 0000	80	4	1.5	250	100	2	2.3		B7	P
SPTA	081 231 400 0000	40	13	2.5	250	100	2.2	1.4		B7	T
SPTA	041 231 700 0000	80	13	2.5	200	100	2.2	1.4		B7	P
SPTS	041 231 700 0000	80	13	1.5	250	100	2	3		B7	P
SR2	842 300 000 0000	00	2	16	200		10	3		B4	T
SR4	842 310 000 0000	00	4	20	250		20	4		B5	T
SRS4451	247 135 200 0000	88	6	25	400	250	30	3.4		B7A	FP
SS210	742 300 000 0000	80	2	1	150	75	0.6	1.4		B4	P
SS210C	742 300 000 0000	80	2	1	150	175	0.6	1.4		B4	P
SS210D	842 300 000 0000	00	2	4.5	150		2	1.6		B4	T
SS210DDT	892 3X0 000 0000	40	2	5.5	150		2.4	1.4		B5	DDT
SS210HF	842 300 000 0000	00	2	4	150		1	0.8		B4	T
SS210HL	842 300 000 0000	00	2	1.5	150		21.4	12.5		B4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
SS220P	842 300 000 0000	00	2	12	150		6	1.5		B4	T
SS220PA	842 300 000 0000	00	2	6	150		8	3.5		B4	T
SS220SP	842 300 000 0000	00	2	12	150		14	3.5		B4	T
SS240SP	842 300 000 0000	00	2	12	150		15	3.5		B4	T
SS2018	742 310 000 0000	80	20	3	200	100	3	3		B5	P
ST507	802 441 443 0000	00	6.3	1.2	150		23	25		B9A	T
SU25	020 000 300 0000	90	2							A08	D
SU42	030 000 020 0000	90	4							A08	R
SU45	112 311 100 0000	90	4				30			B7G	R
SU61	023 000 000 0000	90	6							B3G	D
SU2130	002 300 000 0000	90	2				2			B4	R
SU2150	002 300 000 0000	90	2				2			B4	R
SU2150A	002 300 000 0000	90	2				5			B4	RR
SU3130	002 300 000 0000	90	2							B4	D
SW1	902 300 000 0000	00	4				30			B4	R
SWG2	872 300 000 0000	40	2		150	75		1.5		B4	P
T2	842 300 000 0000	00	2	1	100			1		B4	T
T2M05	882 345 100 0000	00	6.3	0.85	100		8.5	5.3		B7G	TT
T4D	123 000 000 0000	90	4							B3G	D
T5D	123 000 000 0000	90	6							B3G	D
T6D	213 000 000 0000	90	6.3				5			B3G	R
T13U	023 100 080 0000	40	13	4	200		5.9	2.6		8SC	T
T41	218 040 030 0000	00	4		100		30			M08	THY
T113	842 300 000 0000	70	3	3	12	12	0.2	0.2	Ra = 2kΩ	B4	P
T116	842 300 000 0000	70	1.2	3	12	12	0.2	0.2		B4	P
T134	742 300 000 0000	80	4	1	150	75	5	1.3		B4	P
T136	842 300 000 0000	00	4	8	200		6	1.6		B4	T
T151	842 300 000 0000	70	4	15	200	150	12	1.8		B4	P
T204	023 004 080 0000	00	2	1	150		1.8	0.6		8SC	T
T223	023 004 080 0000	00	2	2	125		3	2.5		8SC	T
T435	023 100 080 0000	40	4	5	250		6	2.5		8SC	T
T460	023 004 080 0000	00	4	45	250		60	6		8SC	T
T635	023 100 080 0000	40	6.3	16	250		20	2.2		8SC	T
T1335	023 100 080 0000	40	13	4.5	225		6	2.5		8SC	T
TB13	902 310 000 0000	00	13							B5	D
TB032	842 300 000 0000	00	2	30	150		12	1.5		B4	T
TB052	842 300 000 0000	00	2	15	150		7	1.2		B4	T
TB062	842 300 000 0000	00	2	10.5	150		13	2		B4	T
TB102	842 300 000 0000	00	2	4	150		5	1.3		B4	T
TB122	842 300 000 0000	00	2	4.5	150		6	3.5		B4	T
TB172	842 300 000 0000	00	2	4.5	150		4	1.4		B4	T
TB282	842 300 000 0000	00	2	1.5	150		2	1.3		B4	T
TB402	548 230 800 0000	00	4		150		6			B7	TT
TB452	742 300 000 0000	80	2		150	75	2	1.5		B4	P
TB552	742 300 000 0000	80	2		150	75	4	1.5		B4	P
TB622	742 300 000 0000	80	2		150	90	2	1.4		B4	P
TB9920	842 310 000 0000	00	20	1.5	200		0.2	4		B5	T
TBC14	90X 231 800 0000	40	4	7	250		4	2		B7	DDT
TBC113	90X 231 800 0000	40	13	5	200		4	3.6		B7	DDT
TC05-25	842 300 000 0000	00	4		400		65	2.2		B4	T
TC432	842 370 000 0000	00	2	4.5	150	150	9.5	2.5		B5	P
TC432	842 300 000 0000	70	2	4.5	150	150	9.5	2.5		B4	P
TD05-12	021 010 310 0000	84	6		150		10	4		A08	T
TD044	842 300 000 0000	00	4	40	250		40	3		B4	T
TD2	842 300 000 0000	00	2	7	150		4	0.9		B4	T
TDD1C	023 19X 080 0000	00	13	5	200		4	2		B7	DDT
TDD2	892 3X0 000 0000	40	2	5.5	150		2.5	1.4		B5	DDT
TDD2A	892 3X0 000 0000	40	2	1.5	150		2	1.2		B5	DDT
TDD4	X09 231 800 0000	40	4	7	250		4	2		B7	DDT
TDD13	023 19X 080 0000	40	13	1	100			2.9		8SC	DDT

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	I _m mA/V	ADDENDA	BASE	TYPE
TDD13C	90X 231 800 0000	40	13	5	200		4	2		B7	DDT
TDD25	90X 231 800 0000	40	25	1	100		4	2		B7	DDT
TE2	029 0X0 310 0000	00	26				30			A08	RR
TE3	029 0X0 310 0000	00	12				30			A08	RR
TE5	029 0X0 310 0000	00	6.3				30			A08	RR
TE094	842 310 000 0000	00	4	16	200		12	1.3		B5	T
TE104	842 300 000 0000	00	4	26	500		61	4		B4	T
TE244	842 310 000 0000	00	4	3.5	200		6	2.4		B5	T
TE384	842 310 000 0000	00	4	2	200		3	1.5		B5	T
TE424	742 310 000 0000	80	4		200	100	3	2		B5	P
TE434	842 370 000 0000	00	4	14	250	250	36			B5	P
TE464	041 231 700 0000	80	4		200	100	3	2.5		B7	P
TE474	041 231 700 0000	80	4	1.5	200	100	4.5	2		B7	P
TE534	842 310 000 0000	70	4	15	250	250	24			B5	P
TE564	041 231 700 0000	80	4	1.5	200	100	4.5	2.2		B7	P
TE634	047 231 800 0000	00	4	22	250	250	36			B7	P
TE994	842 310 000 0000	00	4	1.6	250		4	4		B5	T
TF64	081 231 700 0000	40	4	2.7	250	250	11	2		B7	P
TF104	842 300 000 0000	00	4	36	400		61	4		B4	T
TH1	288 475 131 0000	00	6.3		100		4			B8B	TH
				4	250	150	4				
TH2	{ 847 230 800 0000	50	2	{ 1.5	150		0.95	1.2		B7	TH
	{ 057 230 800 0000	50		{ 1.5	250	75					
TH4	{ 847 231 800 0000	50	4	{ 2	150		6	1.2		B7	TH
	{ 057 231 800 0000	50		{ 2	200	100	3.5				
TH4A	{ 847 231 800 0000	50	4	{ 4.6	100		5	2.0		B7	TH
	{ 057 231 800 0000	50		{ 2	250	100	3.5				
TH4B	{ 847 231 800 0000	50	4	{ 3	100		9	3.8		B7	TH
	{ 057 231 800 0000	50		{ 2.5	250	100	3.25				
TH13C	{ 847 231 800 0000	50	13	{ 2	150		6	1.2		B7	TH
	{ 057 231 800 0000	50		{ 1.5	250	75	4	1.8			
TH21C	{ 847 231 800 0000	50	21	{ 2	150		6	1.2		B7	TH
	{ 057 231 800 0000	50		{ 1.5	250	75	4	1.8			
TH22C	{ 847 231 800 0000	50	29	{ 2	150		5	6		B7	TH
	{ 057 231 800 0000	50		{ 2	250	100	3.5				
TH29	{ 847 231 800 0000	50	29	{ 2	100		12.0	4.5		B7	TH
	{ 057 231 800 0000	50		{ 2	250	100	3.5				
TH30	{ 847 231 800 0000	50	30	{ 2	100		9.5	5.5		B7	TH
	{ 057 231 800 0000	50		{ 2	150						
TH30C	{ 847 231 800 0000	50	29	{ 2	250	100	3.5			B7	TH
	{ 057 231 800 0000	50		{ 2.5	250	100	3.25				
TH31	{ 218 840 730 0000	50	4	{ 3	100		10.2	4		M08	TH
	{ 218 050 730 0000	50		{ 3	250	100	3	3			
TH41	{ 218 840 730 0000	50	4	{ 3	100		10.2	4		M08	TH
	{ 218 050 730 0000	50		{ 3	250	100	3	3.1			
TH62	{ 028 748 310 0000	50	6	{ 2	100		4.4	2.4		A08	TH
	{ 028 750 310 0000	50		{ 2	260	100	3				
TH232	{ 847 231 800 0000	00	23	{ 75			4.5			B7	TH
	{ 057 231 800 0000	00		{ 3	150	100	3				
TH233	{ 218 840 730 0000	50	23	{ 2	100		14	2.1		M08	TH
	{ 218 050 730 0000	50		{ 2	150	100	2.6	3			
TH2320	{ 847 231 800 0000	50	23	{	100		4.5	5.3		B7	TH
	{ 057 231 800 0000	50		{ 3	150	100	3				
TH2321	{ 847 231 800 0000	50	23	{	100		4	5.2		B7	TH
	{ 057 231 800 0000	50		{ 2	150	100	2.6	3			
TH2620	{ 847 231 800 0000	50	26	{	100			5.3		B7	TH
	{ 057 231 800 0000	50		{ 1	250	100		3.9			
TK406	023 104 780 0000	00	4	5	250	250	0.1		Ra=2MΩ	8SC	TI
φ TM05	882 345 100 0000	00	6.3	0.8	100		8.5	5.3		B7G	TT
TM12	412 344 800 0000	00	6.3		150		15	12		B7G	T
TP4	781 231 840 0000	50	4	{ 3	150		1.5	1.4		B9	TP
				{ 5	250	200	5.5	1.6			

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
TP22	781 230 840 0000	50	2	1	100		0.8	1.2		B9	TP
TP23	841 230 800 0000	50	2	1	150	60	1.2	1		B7	TP
TP25	051 230 800 0000	50	2	1.5	150	60	4.5	2.1		MO8	TP
TP26	208 840 730 0000	50	2	1	100		3.7	1.5		MO8	TP
TP230	208 050 730 0000	50	2	1.5	150	60	1	1		B9	TP
TP443	842 370 000 0000	00	4	1	150	75	2.2	1.5		B5	P
TP1340	781 231 840 0000	50	13	1	150		1.5	1.5		B9	TP
TP2620	081 231 840 0000	50	26	1	100		20	1.1		B9	TP
TS49	281 704 130 0000	00	20	1.5	150	75	4.3	1.3		B8B	P
TS51	412 387 100 0000	00	6	1	150	150	7	4.3		B7G	P
φ TS52	882 345 100 0000	00	6	0.8	100		8.5	5.3		B7G	TT
TS53	741 238 001 0000	00	18	1.8	200	100	15	10		B9A	P
TS54	741 238 001 0000	00	6.3	1.7	200	125	10	9		B9A	P
TSE4	081 231 700 0000	40	4	2.5	250	150	8	14.5		B7	P
TSP4	081 231 700 0000	40	4	2.5	200	200	8	4.7		B7	P
TT2	222 933 3X0 0000	00	4.4							A08	DD
TT4	842 310 000 0000	00	4	16	250		20	3.2		B5	T
TT4A	842 310 000 0000	00	4	9	250		20	4.1		B5	T
TT11	020 470 310 0000	80	6	11	250	150	30	3.5		A08	P
TT12	204 731 102 0000	80	19	13	250	250	72	6		B9G	P
TT14	204 071 103 0000	80	6	13	250	250	72	6		B9G	P
TT15	241 878 153 0000	00	6	14	250	150	30	3.9		B9G	PP
TT19	241 878 153 0000	00	19	16.5	250	150	30	3.9		B9G	PP
TT20	247 135 200 0000	88	6	17	400	200	20	2.5		B7A	PP
TT21	020 740 310 0000	80	6.3	30	300	300	80	7		A08	P
TT22	020 740 310 0000	80	12.6	30	300	300	80	7		A08	P
TT23	415 228 783 0000	00	6.3		150	150	25	10.5		B9A	PP
TT24	514 228 783 0000	00	6.3		250	200	30	3.3		B9A	PP
TT25	247 818 352 0000	88	6.3		400	250	30	3.4		B7A	PP
TT210	023 085 480 0000	00	2		150		1.5			8SC	TT
TV03-10	452 310 000 0000	88	6	17	300		17	3.2		B5	TT
TV4	023 140 780 0000	00	4	21	250	250	0.2		Ra = 1MΩ	8SC	TI
TV6	023 104 780 0000	00	6.3	5	250		0.09		Ra = 2MΩ	8SC	TI
TW1	902 310 000 0000	00	20				60			B5	R
TW2	9X2 310 000 0000	00	30				60			B5	RR
TX4	847 231 800 0000	50	4	5	150		9	1.5		B7	TH
TX21	057 231 800 0000	50	21	1.5	300	90	5.5			B7	TH
TX41	847 231 800 0000	50	4	2	150		15	2.5		B7	TH
TY8&F	057 231 800 0000	50	4	1.5	250	90	5.5			B7	TH
TZ40	847 231 800 0000	50	4	3	100		9	3.8		B9A	R
U4C	057 231 800 0000	50	7.5	2.5	250	100	3.2			UX4	T
U4E	230 232 032 0000	90	7.5	1	100			0.4		B4	T
U4F	204 300 000 0000	80	7.5							B4	T
U5	842 300 000 0000	00	4	12	200		35	3.2		B4	T
U8	842 300 000 0000	00	4	40	400		45	4		B4	T
U9	842 300 000 0000	00	4	40	400		45	4		B4	T
U10	9X2 300 000 0000	00	5				15			B4	RR
U12	9X2 300 000 0000	00	7.5				60			B4	RR
U12/14	9X2 300 000 0000	00	4				30			B4	RR
U14	9X2 300 000 0000	00	4				30			B4	RR
U15	902 300 000 0000	00	6				120			B4	R

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
U16	002 300 000 0000	90	2				5			B4	R
U17	002 300 000 0000	90	5				30			B4	R
U18	9X2 300 000 0000	00	4				120			B4	RR
U18/20	9X2 300 000 0000	00	4				120			B4	RR
U19	002 300 000 0000	90	4				120			B4	R
U19/23	002 300 000 0000	90	4				120			B4	R
U20	9X2 300 000 0000	00	4				60			B4	RR
U21	002 300 000 0000	90	2				5			B4	R
U22	200 000 030 0000	90	2				5			M08	R
U22FH	200 000 030 0000	90	2							M08	D
U23	002 300 000 0000	90	4				120			B4	R
U24	030 000 200 0000	90	2				1			A08	R
U25	023 000 000 0000	90	2							B3G	D
U119	001 230 009 0000	00	38				120			B9A	R
U120/500	9X2 300 000 0000	00	2				120			B4	R
U134	029 1X0 310 0000	00	13				60			A08	RR
U142	290 000 130 0000	00	31				60			B8A	R
U143	020 X09 030 0000	00	4				30			A08	RR
U145	290 000 130 0000	00	40				60			B8A	R
U147	029 0X0 310 0000	00	6				30			A08	RR
U149	20X 009 130 0000	00	6				30			B8B	RR
U150	290 00X 130 0000	00	6				30			B8A	RR
U151	023 000 000 0000	90	6							B3G	D
U152	001 230 009 0000	00	19				120			B9A	R
U153	000 230 009 0000	10	17				120			B9A	R
U154	001 230 009 0000	00	19				120			B9A	RR
U191	000 090 230 0000	10	19				120			A08	R
U192	001 230 009 0000	00	19				120			B9A	R
U193	000 230 009 0000	10	19				120			B9A	R
U201	020 090 310 0000	00	20				60			A08	R
U251	000 230 009 0000	10	25				120			B9A	R
U281	020 090 310 0000	00	28				120			A08	R
U282	001 000 230 0000	90	28				120			A08	R
U291	029 090 310 0000	00	29				180			A08	R
U301	000 090 230 0000	10	30				120			A08	R
U309	001 230 009 0000	00	20				120			B9A	R
U319	001 230 009 0000	00	20				120			B9A	R
U329	000 230 009 0000	10	25				120			B9A	R
U339	000 090 230 0000	00	19				120			A08	R
U381	001 230 009 0000	00	38				120			B9A	R
U403	201 090 030 0000	00	40				120			M08	R
U404	290 000 130 0000	00	40				60			B8A	R
U415	842 300 000 0000	00	4	10.5	150		5	1.4		B4	T
U25	023 000 000 0000	90	2							B3G	D
U26	3X1 221 900 0000	00	13				60			B7	RR
U26	231 232 132 0000	90	2							B9A	D
U27	002 300 000 0000	90	4				30			B4	R
U29	002 300 000 0000	90	2				15			B5	R
U30	3X1 221 900 0000	00	13				60			B7	RR
U30/250	902 300 000 0000	00	4				30			B4	R
U31	020 090 310 0000	00	26				120			A08	R
U33	002 300 000 0000	90	2				3			B4	R
U35	020 000 030 0000	90	1.4				2			A08	R
U37	023 000 000 0000	90	1.4				0.5			B2G	D
U41	020 000 300 0000	90	1.2				1			A08	D
U43	023 000 000 0000	90	6				0.5			B2G	D
U45	230 000 000 0000	90	6							B3G	R
U47	230 000 000 0000	90	2							B3G	R
U49	230 232 032 0000	90	2							B9A	D
U50	020 X09 030 0000	00	5				60			A08	RR

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _o mA	g _m mA/V	ADDENDA	BASE	TYPE
U51	030 X09 020 0000	00	5				120			A08	RR
U52	030 X09 020 0000	00	5				120			A08	RR
U52IT	009 0X0 230 0000	00	5				120			A08	RR
U54	030 X09 020 0000	00	5				120			A08	RR
U60	020 000 300 0000	90	6.3							A08	D
U60/500	9X2 300 000 0000	00	4				60			B4	R
U65/550	902 300 000 0000	00	7.5				60			B4	R
U70	029 0X0 310 0000	00	6				30			A08	RR
U71	020 090 310 0000	00	30				60			A08	R
U74	020 090 310 0000	00	30				120			A08	R
U76	020 090 310 0000	00	30				120			A08	R
U77	020 90X 020 0000	00	5				180			A08	RR
U78	902 30X 100 0000	00	6				30			B7G	RR
U81	00X 009 230 0000	00	6				60			B8B	RR
U82	20X 009 130 0000	00	6				30			B8B	RR
U84	00X 009 230 0000	00	4				30			B8B	RR
U85	401 237 808 0000	00	19	13	200		1		Ra = 180kΩ	B9A	TI
U101	290 009 130 0000	00	50				120			B8B	R
U107	291 009 300 0000	00	40				60			B7G	R
U118	290 000 130 0000	00	40				60			B8A	R
U418	842 300 000 0000	00	4	13	150		10	1.6		B4	T
U650	902 300 000 0000	00	6				30			B4	R
U709	901 230 X00 0000	00	6				60			B9A	RR
U718	2X0 009 130 0000	00	6.3				60			B8A	RR
U801	129 9XX 310 0000	00	80				120			A08	RR
U2140P	3X1 221 900 0000	00	13				60			B7	RR
U4020	902 310 000 0000	00	40				120			B5	R
UA55	827 415 738 0000	00	55	6	90	90	36	7		B9A	PP
UAA11	023 19X 100 0000	00	22				5			B8C	DD
UAA91	192 310 X00 0000	00	19				5			B7G	RR
UAA171	120 913 0X0 0000	00	25				5			B8B	DP
UABC80	Y91 23X 148 0000	00	28	1	100		0.8	1.4		B9A	DDDT
UAF21	287 914 130 0000	00	20	2	250	100	6	2.8		B9A	DP
UAF41	289 174 130 0000	00	13	2	200	90	5	2		B8A	DP
UAF42	289 174 130 0000	00	13	2	200	90	5	2		B8A	DP
UB41	201 X09 130 0000	00	19				5			B8A	RR
UB91	192 310 X0C 0000	00	19							B7G	DD
UBC1	208 091 X30 0000	40	13	1.7	200		3	2		A08	DDT
UBC41	284 0X9 130 0000	00	14	1.6	200		1.5	1.6		B8A	DDT
UBC81	841 239 0X0 0000	00	14	1.5	200		1.5	1.6		B9A	DDT
UBF2	208 791 X30 0000	40	12.5	2	250	100	5	1.8		A08	DDP
UBF11	9X2 381 170 0000	00	20	2	200	75	5	1.8		F8	DUP
UBF15	9X2 381 470 0000	00	27	2	250	100	12	5		F8	DDP
UBF80	741 238 9X1 0000	00	17	2	200	125	5	2.2		B9A	DDP
UBF89	741 238 9X1 0000	00	19	2	200	100	9	3.8		B9A	DDP
UBF171	9X2 741 380 0000	00	20	3.2	250	75	6	1.8		B8B	DDP
UBL1	208 791 X30 0000	40	55	11.5	200	200	55	8.5		A08	DDP
UBL3	023 19X 780 0000	40	55	6	200	100	29	7.5		B8C	DDP
UBL21	284 7X9 130 0000	00	55	13	200	200	55	8		B8B	DDP
UBL71	284 79X 130 0000	00	55	5.2	250	250	44	9.5		B8B	DDP
UC88	414 234 484 0000	00	12		150		12.5	14		B9A	T
UC92	802 304 100 0000	00	9.5	1	200		11.5	6.4		B7G	T
UC95	142 380 100 0000	00	10.8	1.2	200		10	10.5		B7G	T
UC96	412 314 800 0000	00	9.3	1	200		11.5	6.7		B7G	T
UCC85	841 238 510 0000	00	26	2.1	200		10	5.8		B9A	TT
UCC88	841 238 510 0000	00	21	1.2	90		15	12.5		B9A	TT
UCC89	148 235 118 0000	00	21.6	1.2	90		15	12		B9A	TT
UCC189	841 238 510 0000	00	21	1.2	90		15	12.5		B9A	TT
UCF12	218 745 830 0000	50	20	{ 1 2	100 200	100	5	3 2	}	F8	TP

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
UCF80	857 238 114 0000	00	27	{ 2	100		14	5		B9A	TP
				2	200	175	10	6.2			
UCH4	218 745 830 0000	50	20	{ 2	100		6	3		A08	TH
				2	200	100	5.2	2.2			
UCH5	123 814 780 0000	50	20	{ 2	100		6.3	2.7		8SC	TH
				2	250	100	6.5	2.6			
UCH11	{ 842 381 570 0000	00	20	{ 2	100		5	2.4		F8	TH
	052 381 570 0000	00		2	250	100	4.7	2.5			
UCH21	288 475 131 0000	00	20	{ 2	100		6.4	2.2		B8B	TH
				2	200	90	5.2	2.2			
UCH41	{ 288 474 130 0000	00	14	{ 2	100		6.4	2.2		B8A	TH
	280 575 130 0000	00		2	200	90	2.7	1.5			
UCH42	{ 288 475 130 0000	00	14	{ 2	100		5	2		B8A	TH
	280 575 130 0000	00		2	200	75	8	2.2			
UCH43	{ 288 475 130 0000	00	14	{ 2	100		5	2		B8A	TH
	280 575 130 0000	00		2	200	75	8	2.2			
UCH71	288 475 131 0000	00	20	{ 2	100		16.4	2.2		B8B	TH
				2	200	90	5.2	2.2			
UCL11	572 381 480 0000	00	60	{ 2	200		2	2.1		F8	TP
				8.5	200	200	45	9			
UCL81	471 238 815 0000	00	39	{ 1.9	150		1.3	1.6		B9A	TP
				7	200	200	30	8.7			
UCL82	415 238 718 0000	00	50	{ 1	200		3.7	2.5		B9A	TP
				16	200	200	35	6.4			
UCL83	841 238 175 0000	00	40	{ 1.5	200		2.4	2.5		B9A	TP
				9.5	200	175	30	5.5			
UCL84	481 238 157 0000	00	45	{ 1.7	200		3	4		B9A	TP
				2.1	200	175	18				
UCL86	417 238 158 0000	00	44	{ 1.7	250		1.2	1.6		B9A	TP
				7	250	250	36	10			
UD2	842 300 000 0000	00	2	12	150		14	2.5		B4	T
UDDL71	023 19X 780 0000	40	44	10	200	200	60	9		8SC	DDP
UDH	902 310 000 0000	00	20				60			B5	R
UDF12	023 190 780 0000	40	40	10	200	200	60	9		8SC	DP
UDP13	028 790 310 0000	40	40	10	200	200	60	9		A08	DP
UDT1	023 19X 080 0000	40	15	3	200		10.3	3		8SC	DDI
UE1	023 100 090 0000	00	25				60			8SC	R
UE2	123 190 0X0 0000	00	50				60			8SC	RR
UE13	020 090 310 0000	00	25				60			A08	R
UE100	209 000 130 0000	00	50							A08	R
UEL11	572 381 780 0000	40	48	{ 6	100	30	2.4	1.6		F8	PP
				2.5	200	200	22	5.2			
UF5	023 110 780 0000	40	12.5	20	100	100	3.2	2.2		8SC	P
UF6	023 110 780 0000	40	12.5	2	100	100	3	1.8		8SC	P
UF8	208 711 130 0000	40	12	2	200	200		1.6		B8B	P
UF9	208 701 130 0000	40	12.5	2.5	200	100	6	2.2		A08	P
UF10	023 110 780 0000	40	12.5	2.4	200	100	5.5	2.4		8SC	P
UF11	802 301 470 0000	00	15	2	200	75	6	2.2		F8	P
UF14	812 370 140 0000	00	25	5	200	200	12	7		F8	P
UF15	812 301 470 0000	00	25	2	200	100	12	5.5		F8	P
UF21	287 104 130 0000	00	12.5	2.5	200	100	6	2.2		B8B	P
UF41	280 074 130 0000	00	12.5	3	200	125	7.2	2.3		B8A	P
UF42	280 174 130 0000	00	21	2	200	175	10	8.5		B8A	P
UF43	280 174 130 0000	00	21	2	200	125	15	6.3		B8A	P
UF80	141 230 871 0000	00	19	2	200	170	10	7.4		B9A	P
UF81	741 238 000 0000	00	12.6	2.5	250	125	6	2.2		B9A	P
UF85	141 231 871 0000	00	19	2	200	100	9.7	5.9		B9A	P
UF86	701 238 014 0000	00	12.6	2	200	150	3	1.8		B9A	P
UF89	041 230 871 0000	00	12.6	2	200	100	9	3.8		B9A	P
UF172	112 740 380 0000	00	20	2	200	100	4.5	3		B8B	P
UF174	112 740 380 0000	00	30	3	200	150	12	8		B8B	P
UF175	112 740 380 0000	00	30	2	200	75	10	5.7		B8B	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
UF183	141 230 871 0000	00	18.9	2	200	90	12	12.5		B9A	P
UF184	141 230 871 0000	00	18.9	2.5	200	200	10	15		B9A	P
UH3	023 110 780 0000	00	13	3	250	100	8	2.2		8SC	P
UH4	9X3 200 000 0000	00	4				5			B5	RR
UHP51	023 110 780 0000	00	13	2.5	250	100	3.5	2		8SC	P
UHP52	023 110 780 0000	00	13	2.5	250	100	3.5	2		8SC	P
UL1	108 740 130 0000	00	60	11.5	200	200	55	8.5		A08	P
UL2	023 104 780 0000	00	35	5	200	200	20	7		8SC	P
UL11	802 301 470 0000	00	45	14	200	200	45	9		F8	P
UL12	802 301 470 0000	00	60	8	200	125	75	12		F8	P
UL21	287 004 130 0000	00	45	13	200	200	55	8		B8B	P
UL22	287 004 130 0000	00	46	10	200	175	61	9		B8B	P
UL41	280 074 130 0000	00	45	9	200	175	54	9.5		B8A	P
UL43	280 174 130 0000	00	50	2.6	250	250	36	10		B8A	P
UL44	200 174 130 0000	80	45	13.5	200	175	28.5	7		B8A	P
UL46	281 074 130 0000	00	45	9	200	175	54	9.5		B8A	P
UL71	284 700 130 0000	00	45	5.2	200	200	22	6.5		B8B	P
UL84	041 230 807 0000	00	45	12.5	200	175	70	10		B9A	P
UL171	102 741 380 0000	00	55	8.5	200	200	45	9		B8D	P
ULL80	748 235 187 0000	00	25		250	250	24			B9A	PP
ULP	842 310 000 0000	00	13	20	250		27	4		B5	T
ULP51	823 147 000 0000	00	40	17	250	250	36	2.5		8SC	P
ULP61	023 100 780 0000	40	33	8	200	200	55	9		8SC	P
UM4	208 748 130 0000	00	12.6	4.2	200	200			Ra=1MΩ	} A08	TI
				12.5	200	200			Ra=1MΩ		
				4.2	200	200			Ra=1MΩ		
UM11	208 748 130 0000	00	15	12.5	200	200			Ra=1MΩ	} A08	TI
					200	200					
					200	200					
UM34	028 748 310 0000	00	12.6	4.2	250	250			Ra=1MΩ	} A08	TI
				12.5	250	250			Ra=1MΩ		
					200	200	0.4		Ra=500kΩ		
UM80	410 230 807 0000	00	19	14	200	200	0.4		Ra=500kΩ	B9A	TI
UM81	410 230 807 0000	00	19	14	200	200	0.4		Ra=500kΩ	B9A	TI
UM84	401 237 808 0000	00	12.6	22	250	250	0.4		Ra=500kΩ	B9A	TI
UN955	213 480 000 0000	00	6.3	7	250		6.3	2.2		5AA	T
UP2	023 140 780 0000	00	25	19	200	100	40	3		8SC	P
UP6	023 100 780 0000	40	35	8	200	200	55	9		8SC	P
UP13	028 740 310 0000	00	35	8	200	200	55	9		A08	P
UP13	040 231 700 0000	80	13	1	200	100		3		B7	P
UP35U	023 100 780 0000	40	35	8	200	200	55	9		8SC	P
UPX	842 310 000 0000	00	25	34	250		38	7		B5	T
UQ80	741 238 114 0000	00	12	1	250	20	0.9	7		B9A	P
UR1	023 100 090 0000	00	20				60			8SC	R
UR1C	902 310 000 0000	00	20				60			B5	R
UR2	123 190 0X0 0000	00	30				60			8SC	RR
UR3	123 190 0X0 0000	00	30				60			8SC	RR
UR3C	9X1 231 900 0000	00	30				60			B7	RR
UT2	023 100 080 0000	40	15	5	100		6	3		8SC	T
UTH4	523 184 780 0000	50	17	} 2.5	100		4	2		} 8SC	TH
					200	90	3	0.8			
					100		4	2			
UTH12	523 184 780 0000	50	17	} 2.5	250	30	3	0.7		} 8SC	TH
UU2	9X2 300 000 0000	00	4				30			B4	RR
UU3	9X2 300 000 0000	00	4				30			B4	RR
UU4	9X2 300 000 0000	00	4				60			B4	RR
UU5	9X2 300 000 0000	00	4				60			B4	RR
UU6	209 0X0 030 0000	00	4				60			MO8	RR
UU7	209 0X0 030 0000	00	4				60			MO8	RR
UU8	209 0X0 030 0000	00	4				120			MO8	RR
UU9	2X0 009 130 0000	00	6				30			B8A	RR
UU10	9X2 300 000 0000	00	4				60			B4	RR
UU12	901 230 X00 0000	00	6				60			B9A	RR

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
UU30/250	9X2 300 000 0000	00	4				15			B4	RR
UU60/250	9X2 300 000 0000	00	4				30			B4	RR
UU120/250	9X2 300 000 0000	00	4				60			B4	RR
UU120/350	9X2 300 000 0000	00	4				60			B4	RR
UU120/500	9X2 300 000 0000	00	4				60			B4	RR
UV651	123 1X0 090 0000	00	30				60			8SC	RR
UY1	399 029 120 0000	00	50				120			A08	R
UY1 (N)	399 029 120 0000	00	50				120			A08	R
UY1NS	309 020 120 0000	00	50				120			A08	R
UY2	023 190 000 0000	00	26				30			F8	R
UY3	023 100 090 0000	00	50				120			8SC	R
UY4	023 100 090 0000	00	35				30			8SC	R
UY11	902 300 100 0000	00	50				120			F8	R
UY21	290 900 130 0000	00	50				120			B8B	R
UY22	290 909 130 0000	00	26				60			B8B	R
UY31	020 090 310 0000	00	50				120			A08	R
UY41	290 000 130 0000	00	31				60			B8A	R
UY42	290 000 130 0000	00	31				60			B8A	R
UY82	001 230 009 0000	00	55				180			B9A	R
UY85	001 230 009 0000	00	38				120			B9A	R
UY89	101 230 009 0000	00	31				60			B9A	R
UY91	912 390 900 0000	00	26				60			B7G	R
UY92	002 390 100 0000	00	26				60			B7G	R
V2M70	902 30X 100 0000	00	6.3				30			B7G	RR
V20	902 310 000 0000	00	20				60			B5	R
V20/7000	002 300 000 0000	90	4				15			B4	R
V20S	023 100 090 0000	00	20				60			8SC	R
V22/7000	000 010 100 0000	90	6.3				5			B8B	D
V25	091 231 X00 0000	00	25				60			B7	RR
V30	902 310 000 0000	00	30				120			B5	R
V30/1	002 300 000 0000	90	2							B4	D
V41	090 00X 230 0000	00	4				30			B8B	RR
V51	290 00X 130 0000	00	5				30			B8A	RR
V61	290 00X 130 0000	00	6.3				30			B8A	RR
V99	283 400 000 0000	00	3	4.5	90		2.5	0.4		UX4	T
V226	041 230 700 0000	80	6.3	5	400	250	14	3		B7	P
V245	041 240 700 0000	80	3		250	250	16	5		B7	P
V248A	200 740 030 0000	80	2	10	150	150	32	5.2		M08	P
V311	290 000 130 0000	00	31				60			B8A	R
V312	802 310 000 0000	40	4	4.8	250		6	2.3		B5	T
V339	000 231 800 0000	40	4		250			1.7		B7	T
V453	218 710 030 0000	40	4	1.8	250	100	4.5	2		M08	P
V503	842 300 000 0000	00	4	85	400		100	4.5		B4	T
V872	218 710 030 0000	40	6	4	200	200	6.7	3.4		M08	P
V884	412 381 700 0000	00	6.3	2.5	250	200	8	2.5		B7G	P
V914	9X2 310 000 0000	00	4							B5	DD
V960	002 300 000 0000	90	4				60			B4	R
V1120	047 231 000 0000	80	6	9.8	200	200	40	8.7		B7	P
V1120B	040 231 700 0000	80	4	9.8	200	200	40	8.7		B7	P
V1906	002 300 000 0000	90	4				60			B4	R
V1907	002 300 000 0000	90	4				60			B4	R
V1928	112 311 100 0000	90	4				5			B7G	R
V2018	002 300 000 0000	90	20				30			B4	R
V2118	902 310 000 0000	00	20				60			B5	R
V4200	802 300 000 0000	00	4				120			B4	R
VBF11	9X2 381 470 0000	00	35	2	200	75	5	1.9		F8	DDP
VC1	023 100 080 0000	40	55	2	200		6	3		8SC	T
VC1	023 19X 080 0000	40	55	2	200		6	3		8SC	DDT
VCH11	{ 842 381 570 0000 052 381 570 0000	{ 00 00	40	{ 2.5	100 250	4 90	4 3	2 0.7	}	F8	TH

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
VCL11	572 381 480 0000	00	90	{ 0.5 4.5	100 200	200	2 12	2.4 5	Ra=1MΩ	F8	TH
VDS	742 310 000 0000	80	16	2	200	75	5	1.6		B5	P
VDSB	742 310 000 0000	80	16	1	200	75	5	3		B5	P
VEG51	023 100 090 0000	00	20				60			8SC	R
VEL11	472 381 780 0000	50	90	{ 6	100 200	30 200	2.4 22	1.6 5		F8	FP
VF3	023 110 780 0000	40	55	2.5	250	100	5	2		8SC	P
VF7	023 110 780 0000	40	55	2.5	250	100	3.5	2		8SC	P
VFT4	812 370 140 0000	00	60	4.5	250	250	12	7		F8	P
VFT4	028 740 310 0000	00	4	22	250	250		0.2		A08	TI
VG406	9X2 300 000 0000	00	4				30			B4	RR
VG410	9X2 300 000 0000	00	4				30			B4	RR
VG411	9X2 300 000 0000	00	4				60			B4	RR
VG420	9X2 300 000 0000	00	4				60			B4	RR
VG421	9X2 300 000 0000	00	4				60			B4	RR
VG2503	9X2 300 000 0000	00	4				30			B4	RR
VG2908	9X2 300 000 0000	00	2.5				30			B4	RR
VG3008	9X2 300 000 0000	00	4				30			B4	RR
VG3016	9X2 300 000 0000	00	4				60			B4	RR
VG3630	9X2 300 000 0000	00	4				120			B4	RR
VG5006	9X2 300 000 0000	00	4				60			B4	RR
VG5007	023 090 0X0 0000	00	4				60			8SC	RR
VG5107	902 300 0X0 0000	00	4				60			F8	RR
VH2	912 390 100 0000	00	6				5			B7G	D
VH3	142 384 100 0000	00	6	4.5	150		13	5		B7G	T
VH5	412 387 100 0000	00	6	2	200	125	7.7	5.1		B7G	P
VHP13	041 231 700 0000	80	13	1.5	200	100	4	2		B7	P
VHT2	847 230 800 0000	40	2		150	75				B4	H
VHT2A	847 230 800 0000	40	2		150	50				B7	H
VHT4	747 231 800 0000	40	4	3	200	100	3.6			B7	H
VHTA	123 184 770 0000	40	13	1.5	250	100	3.2			8SC	H
VHTA	747 231 800 0000	40	13	1.5	200	100	3.2			B7	H
VHTS	847 231 700 0000	40	13	3	200	100	2.6			B7	H
VHTS	747 231 800 0000	40	13	3	200	100				B7	H
VL1	023 100 780 0000	40	55	14	200	200	25	2.2		8SC	P
VL4	023 100 780 0000	40	110	8.5	200	200	45	8		8SC	P
VLS61	002 300 000 0000	90	2				3			B4	R
VM1	200 000 300 0000	90	1.4							B7G	D
VM4V	742 310 000 0000	80	4	1	200	80	14	2.4		B5	P
VME4	047 231 800 0000	00	4	22	250	250	0.2			B7	TI
VMP4	041 231 700 0000	80	4	2	250	100	3	3.5		B7	P
VMP4	742 310 000 0000	80	4	1	250	100	5	3.5		B5	P
VMP4G	041 231 700 0000	80	4	2	250	100	8	2.7		B7	P
VMS4	742 310 000 0000	80	4	1	200	80	11	2.1		B5	P
VMS4B	742 310 000 0000	80	4	1	200	80	5.2	2.4		B5	P
VO2	847 320 800 0000	40	2		150	90	1.8			B7	O
VO2S	023 084 780 0000	40	2		150	50	2			8SC	O
VO4	847 231 700 0000	40	4	1.5	250	75	1.6			B7	O
VO4S	023 174 780 0000	40	4	1.5	250	75	1.6			8SC	O
VO6	123 184 780 0000	40	6	3	100	100	4.6			8SC	O
VO13	847 231 700 0000	40	13	1.5	250	75	1.6			B7	O
VO13S	123 174 780 0000	40	13	1.5	250	75	1.6			8SC	O
VO133	023 184 780 0000	50	13	{ 1 1	100 200	75	1 3	1.2 1.5		B7	TH
VP2	041 230 700 0000	80	2	1	150	150	3	1.5		B7	P
VP2B	081 230 700 0000	40	2	1.5	150	150	1.6	0.7		B7	P
VP2B	032 004 780 0000	00	2	15	150	150	2.5	0.7		8SC	P
VP2B	087 231 700 0000	40	2	1.5	150	60	2	1.4		B7	H
VP2BS	032 010 780 0000	40	2	1	150	150	2.5	0.7		8SC	P
VP2D	081 230 700 0000	40	2	1.5	150	75	1.3	2		B7	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
VP4	041 231 700 0000	80	4	2	200	100	4.5	2.3		B7	P
VP4A	041 231 700 0000	80	4	2	200	100	4.3	2.5		B7	P
VP4B	081 231 700 0000	40	4	3	250	250	11.5	2		B7	P
VP4C	041 231 700 0000	80	4	2	250	250	11.5	4		B7	P
VP4S	023 110 780 0000	40	4	2	250	100	8	1.8		8SC	P
VP4S	081 231 700 0000	40	4	3	250	100	8	1.8		B7	P
VP6	412 381 700 0000	00	6	2.5	250	200	8	2.1		B7G	P
VP6	081 231 700 0000	40	6	3	250	100	7.5	1.7		B7	P
VP6S	023 110 780 0000	40	6	3	250	100	7.5	1.8		8SC	P
VP12D	028 X97 310 0000	40	13	3	250	125	9	1.1		A08	DDP
VP13	041 231 700 0000	80	13	1.5	200	100	6.3	3		B7	P
VP13	081 231 700 0000	40	13	3	200	100	8	2.8		B7	P
VP13A	023 110 780 0000	40	13	2	200	100	4	2.2		8SC	P
VP13B	081 231 700 0000	40	13	2	200	200	9	2.2		B7	P
VP13C	081 231 700 0000	40	13	2	200	200	9	2.2		B7	P
VP13K	081 231 700 0000	40	13	3	200	100	8	2		B7	P
VP13S	081 231 700 0000	40	13	3	200	100	8	2.8		B7	P
VP13S	023 110 780 0000	40	13	3	200	100	8	2.8		8SC	P
VP20	742 310 000 0000	80	20	2	200	100	4	2.2		B5	P
VP21	041 230 700 0000	80	2	1	150	60	1.8	1.1		B7	P
VP22	208 710 030 0000	40	2	1.5	150	60	1.2	0.8		M08	P
VP23	208 710 030 0000	40	2	1.5	150	60	1.4	1		M08	P
VP41	218 710 030 0000	40	4	2.7	250	250	7.7	2		M08	P
VP41	081 231 700 0000	40	4	3.3	250	250	11	2		B7	P
VP133	218 710 030 0000	40	13	2.7	150	150	8	2.1		M08	P
VP210	041 230 700 0000	80	2	1.5	150	60	1.1	0.8		B7	P
VP210	742 300 000 0000	80	2	1.5	150	60	1.1	0.8		B4	P
VP215	742 300 000 0000	80	2	1.5	150	75	2	0.7		B4	P
VP215	041 230 700 0000	80	2	1.5	150	75	2	0.7		B7	P
VP215B	081 230 700 0000	40	2	1.5	150	125	1.5	1		B7	P
VP215C	041 230 700 0000	80	2	1.5	150	125	1.5	1		B7	P
VP1320	041 231 700 0000	80	13	2.7	250	100	5	2		B7	P
VP1321	041 231 700 0000	80	13	2.8	200	200	7.4	2		B7	P
VP1322	081 231 700 0000	40	13	2.8	250	200	7.4	2		B7	P
VPT2	742 300 000 0000	80	2	1.5	150	60	1.5	1.1		B5	P
VPT2	041 230 700 0000	80	2	1.5	150	60	1.5	1.1		B7	P
VPT4	041 231 700 0000	80	4	3	250	100	5.5	2		B7	P
VPT4	742 310 000 0000	80	4	3	250	100	5.5	2		B5	P
VPT4B	041 231 700 0000	80	4	3	250	100	6	3.2		B7	P
VPTA	041 231 700 0000	80	13	2	250	100	4.2	2.9		B7	P
VPTS	041 231 700 0000	80	13	3	200	100	5.5	2.6		B7	P
VP1U	080 231 700 0000	40	13	1	250	200		3.5		B7	P
VS2	742 300 000 0000	80	2	2.5	150	60	2	1.2		B4	P
VS24	742 300 000 0000	80	2	1	150	75	2.8	1.5		B4	P
VS24K	742 300 000 0000	80	2	1	150	75	2.8	1.5		B4	P
VS210	742 300 000 0000	80	2	2.5	150	60	2	1.4		B4	P
VS215	742 300 000 0000	80	2	1	150	75	6	0.7		B4	P
VSGA1	742 310 000 0000	80	4	1.5	200	100	7	6.1		B5	P
VT1	842 310 000 0000	00	4	5	200		5	2		B5	T
VT2	842 310 000 0000	00	4	2	200		3	1.9		B5	T
VTF6	028 740 310 0000	00	6.3	22	200	200	0.2		Ra=1MΩ	A08	TI
VX2	081 237 700 0000	40	2	1	150	60	1			B7	H
VX2S	023 017 780 0000	40	2	1	150	60	1			8SC	H
VX4	717 231 800 0000	40	4	2	250	75	1.8			B7	H
VX4S	023 117 780 0000	40	4	2	250	75	1.8			8SC	H
VX6S	023 117 780 0000	40	6	3	250	100	1.9	4		8SC	P
VX13	717 231 800 0000	40	13	2	250	75	1.8			B7	P
VX13S	023 117 780 0000	40	13	2	250	75	1.8			8SC	H
VY1	023 100 090 0000	00	55				60			8SC	R
VY2	023 190 000 0000	00	30				15			8SC	R

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
VY2N	023 100 090 0000	00	30				15			8SC	R
W4	842 300 000 0000	00	4	7.5	150		3	1.2		B4	T
W4-500	9X2 300 000 0000	00	4				60			B4	RR
W17	287 024 300 0000	00	1.4	1	90	75	3.5	0.9		B7G	P
W21	041 230 700 0000	80	2	1	150	125	3.3	1		B7	P
W21	742 300 000 0000	80	2	1	150	125	2.3	1		B4	P
W25	287 024 300 0000	00	1.4		90	60	1.7	0.8		B7G	P
W30	041 231 700 0000	80	13	1	250	250	12	4		B7	P
W31	041 231 700 0000	80	13	3	250	100	8	2.7		B7	P
W42	081 231 700 0000	40	4	3	250	100	7.6	1.5		B7	P
W61	028 710 310 0000	40	6	3	250	75	8.5	2.9		A08	P
W63	028 710 310 0000	40	6	3	250	100	7.6	1.5		A08	P
W76	028 710 310 0000	40	13	3	250	100	7.6	1.5		A08	P
W77	412 381 700 0000	00	6	2	200	200	8	2.5		B7G	P
W81	287 104 130 0000	00	6	3	250	100	8	2.8		B8B	P
W101	287 104 130 0000	00	19	3	250	100	8	2.8		B8B	P
W107	412 381 700 0000	00	12.5	2.5	200	200	8	2.5		B7G	P
W118	280 174 130 0000	00	13	2.5	200	100	7	2.3		B8A	P
W119	141 230 871 0000	00	13	1.3	200	100	13	4.4		B9A	P
W142	281 174 130 0000	00	12	3	250	250	7.2	2.2		B8A	P
W143	287 104 130 0000	00	6	2.5	250	100	6	2.2		B8B	P
W145	280 174 130 0000	00	13	2.5	200	100	7	2.3		B8A	P
W147	028 710 310 0000	40	6	2.5	250	100	6	2.2		A08	P
W148	287 140 130 0000	00	6	2.5	250	150	9.5	2.8		B8B	P
W149	287 104 130 0000	00	6	3	250	100	8.5	1.8		B8B	P
W150	281 174 130 0000	00	6	2.5	250	100	6	2.2		B8A	P
W213	842 300 000 0000	00	2	2.5	150		1	1.2		B4	T
W216	040 120 780 0000	00	2	1.5	150	90	3	1.2		B7	P
W318	90X 231 800 0000	40	4	2	100		3.5	2.5		B7	DDT
W406	842 300 000 0000	00	4	7.5	150		3	1.2		B4	T
W411	842 300 000 0000	00	4	2.5	150		3	2.2		B4	T
W412	842 300 000 0000	00	4	7.5	150		3	1.2		B4	T
W415N	842 310 000 0000	00	4	2.5	200		2.5	1		B5	T
W420	842 300 000 0000	00	4	4	150		4	1.3		B4	T
W719	141 230 871 0000	00	6	2	250	100	10	6		B9A	P
W727	412 387 100 0000	00	6	1	250	100	11	4.4		B7G	P
W729	141 230 871 0000	00	6	2	200	175	8	5.7		B9A	P
W739	141 230 871 0000	00	6.3	1.3	175	100	12	4.4		B9A	P
W4080	842 310 000 0000	00	4	2.5	200		2.5	1		B5	T
W4110	842 310 000 0000	00	4	1.5	200		1	3		B5	T
WD2	842 300 000 0000	00	2	2.5	150		1	1		B4	T
WD30	780 231 9X0 0000	40	13	1	250	100	7	2.6		B9	DDP
WD40	780 231 9X0 0000	40	4	1	250	100	7	3.5		B9	DDP
WD70	741 238 9X1 0000	00	6	2	250	90	5	2.2		B9A	DDP
WD119	741 238 9X1 0000	00	19	1.5	200	100	11	4.5		B9A	DDP
WD142	289 174 130 0000	00	13	2	200	90	5	2.1		B8A	DP
WD150	289 174 130 0000	00	6	2	250	100	5	2.1		B8A	DP
WD709	741 238 9X1 0000	00	6	2	250	90	5	2.2		B9A	DDP
WE23	742 310 000 0000	80	4	2	200	100	3	2.5		B5	P
WE24	742 310 000 0000	80	4		200	100	3	2.5		B5	P
WE27	842 310 000 0000	00	4	3.5	200		6	2.4		B5	T
WE28	842 310 000 0000	00	4	1.5	200		1	2.5		B5	T
WE29	842 310 000 0000	90	4	3	200		6	2		B5	DT
WE30	842 370 000 0000	00	4	15	250	250	36	2.8		B5	P
WE33	023 110 780 0000	40	4	3	100	250	8	1.9		8SC	P
WE35	023 004 780 0000	00	4	15	250	250	15	2.8		8SC	P
WE37	023 19X 080 0000	40	4	7	250		4	2		8SC	DDT
WE38	023 104 780 0000	00	4	6	250	250	36	9		8SC	P
WE39	023 100 080 0000	40	4	5.5	250		6	2.5		8SC	P
WE51	9X2 300 000 0000	00	4				30			B4	RR

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
WE52	9X2 300 000 0000	00	2				60			B4	RR
WE53	023 090 0X0 0000	00	4				60			8SC	RR
WE54	023 090 0X0 0000	00	4				30			8SC	RR
WE350A	274 130 000 0000	80	6	4.5	400	250	83	6.5		UX5	P
WE377	02X 190 310 0000	00	117				60			A08	RR
WE403A	412 387 100 0000	00	6	2.3	150	150	7	4.3		B7G	P
WT210-0006	02X 190 310 0000	00	6							A08	DD
WT210-0007	028 740 310 0000	00	6	18	350	250	54	5.2		A08	P
WT210-0012	2X9 300 000 0000	00	5				60			UX4	RR
WT210-0013	29X 300 000 0000	00	5				120			UX4	RR
WT210-0019	29X 300 000 0000	00	5				120			UX4	RR
WT210-0021	029 0X0 310 0000	00	6				30			A08	RR
WT210-0025	02X 190 310 0000	00	117				60			A08	RR
WT210-0029	028 040 310 0000	00	6	8	250		8	2		A08	T
WT210-0037	128 479 310 0000	00	117	5.2	100	100	60	5.3		A08	RP
WT210-0040	902 30X 100 0000	00	6				30			B7G	RR
WT210-0042	030 90X 020 0000	00	5				60			A08	RR
WT210-0048	020 90X 030 0000	00	5				120			A08	RR
WT210-0081	021 417 380 0000	00	6	2	250	100	3	1.7		A08	P
WT210-0082	028 740 310 0000	00	6	12.5	250	250	45	4.1		A08	P
WT210-0083	218 4X9 130 0000	00	6	2	250		2.3	1.6		B8B	DDT
WT210-0084	028 456 310 0000	00	6	5	250		3	1.6		A08	TT
WT210-0085	412 387 400 0000	00	50	7.5	150	100	49	7.5		B7G	P
WT210-0087	028 748 310 0000	50	6.3	1	100		8	2.5		A08	TH
WT210-0089	028 740 310 0000	00	6	3	250	100	4	1.2		A08	P
WT210-0090	287 113 000 0000	40	6	3	250	100	2	1.2		UX6	P
WT210-0094	481 581 230 0000	00	6	8	250		9	2.6		A08	TT
WT210-0108	481 581 230 0000	00	6	31.5	150		100	7		A08	TT
WT210-0148	02X 090 310 0000	00	6				60			A08	RR
WT389	038 740 320 0000	00	1.4	4.6	90	90	8	2		A08	P
WT390	028 040 310 0000	00	6	8	250		8	2		A08	T
WT-T102	020 90X 030 0000	00	5				60			A08	RR
WT-T122	021 417 380 0000	00	6	3	250	100	3	1.6		A08	P
WT-T123	028 740 310 0000	00	6	12.5	250	250	45	4.1		A08	P
WT-T124	218 4X9 130 0000	00	6	2	250		2.3	1.6		B8B	DDT
WT-T125	028 458 310 0000	00	6	5	250		3	1.6		A08	TT
WT-T126	412 387 400 0000	00	50	7.5	150	100	49	7.5		B7G	P
WT-T128	020 048 310 0000	50	6	1	100		8	2.5		A08	TH
WT-T130	028 700 310 0000	50	3	250	100		4	1.2		A08	P
WT-T131	028 740 310 0000	00	6	9	200	175	15	2.3		A08	P
WT-T131	287 113 000 0000	40	6	3	250	100	2	1.2		UX6	P
WT-T135	020 90X 030 0000	00	5				120			A08	RR
X14	028 748 300 0000	40	1.4		90	50	1.8	0.5		A08	H
X17	288 424 300 0000	00	1.4	4	75		4.5	1.2		B7G	H
X18	288 484 300 0000	00	1.4	4	75		4	1.2		B7G	H
X21	847 230 800 0000	40	2		150	75				B7	H
X22	847 320 800 0000	40	2		150	75				B7	H
X23	841 230 800 0000	50	2	1.5	100		2.1			B7	TH
X24	051 230 800 0000	50	2	1.5	150	60	0.7			B7	TH
X25	841 230 800 0000	50	2	1.5	100		2.1			B7	TH
X25	251 230 800 0000	50	1.4	1.5	150	60	0.7			B7G	H
X30	287 481 300 0000	00	1.4	1.5	75	50	1	0.4		B7	H
X30	847 231 800 0000	40	13	3	150	75	7			B7	H
X31	841 231 800 0000	50	13		150		2.2			B7	TH
X41	051 231 800 0000	50	4	6	250	75	2.3			B7	TH
X41	841 231 800 0000	50	4	3	150		5	1.4		B7	TH
X42	051 231 800 0000	50	4	3	250		2.3	1.4		B7	H
X42	842 231 800 0000	40	4	3	250	100	7	2		B7	H

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _a	V _{g2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
X61	{ 028 748 310 0000 028 750 310 0000	50 50	6	{ 2 2	100 250	100	5.4 3	2.2 0.7		A08	TH
X61M	{ 028 748 310 0000 028 750 310 0000	50 50									
X63	{ 028 747 310 0000 028 740 310 0000	40 40	6	{ 2 3	250 250	100 100	7.5 8	2.6 1.6		A08 A08	H H
X64											
X65	{ 028 748 310 0000 028 750 310 0000	50 50	6	{ 1 3	100 250	100	8 4	2.5 1.2		A08	TH
X66	{ 028 748 310 0000 028 750 310 0000	50 50									
X71	{ 028 748 310 0000 028 750 310 0000	50 50	15	{ 3 3	100 250	100				A08	TH
X73	{ 028 748 310 0000 028 748 310 0000	40 40									
X75	{ 028 748 310 0000 028 748 310 0000	40 50	15	{ 3 3	150 150	75 75				A08 A08	H H
X76	{ 028 748 310 0000 028 750 310 0000	50 50									
X77	412 388 100 0000	00	6	2	100		12	6.5		B7G	H
X78	{ 752 388 400 0000 752 380 500 0000	00 00	6	{ 2 1	100 150	75	5 5.3	2.2 2.2		B7G	TH
X79	{ 751 238 480 0000 751 238 500 0000	00 00									
X81	{ 288 475 130 0000 280 575 130 0000	00 00	6	{ 1 2	100 250	100	4.8 4	1.4 2		B8B	TH
X99	284 300 000 0000	00									
X101	{ 288 475 130 0000 280 575 130 0000	50 50	19	{ 2 2	100 250	100	3 3			B8B B7G	TH O
X107	412 387 400 0000	00									
X108	{ 752 388 400 0000 752 380 500 0000	00 00	19	{ 2 1	100 250	75	5 5.3	2.2 2.2		B7G	TH
X109	{ 751 238 480 0000 751 238 500 0000	00 00									
X118	{ 288 475 130 0000 280 575 130 0000	00 00	28	{ 3 2.5	250 200	75	2.9 5	4 4		B9A	TH
X119	751 238 184 0000	00									
X142	{ 288 475 130 0000 280 575 130 0000	00 00	14	{ 2 2	100 200	100	5 8	2 2.2		B9A	TP
X143	{ 288 475 130 0000 280 575 130 0000	00 00									
X145	{ 288 475 130 0000 280 575 130 0000	00 00	28	{ 3.3 2.5	100 200	100	6 8	2 2.5		B8A	TH
X147	{ 028 748 310 0000 028 750 310 0000	50 50									
X148	{ 288 475 130 0000 280 575 130 0000	00 00	6	{ 1 2	100 250	100	4.8 4	1.4 2		B8B	TH
X150	{ 288 475 130 0000 280 575 130 0000	00 00									
X719	751 238 184 0000	00	6	{ 3 2	100 250	100	5 6.5	2.3 2.3		B8A	TH
X727	412 388 100 0000	00									
X6030	020 990 330 0000	00	3	2	100		11	7		B7G B8B	H D
XAA91	192 310 X00 0000	00	3.1				5			B7G	DD
XC88	414 234 484 0000	00	2		150		12.5	14		B9A	T
XC95	142 380 100 0000	00	1.8	1.2	200		10	10.5		B7G	T
XCC82	841 228 513 0000	00	6.3	0	100		11.8	3.1		B9A	TT
XCC89	148 235 118 0000	00	3.6	1.2	100		15	12		B9A	TT
XR6	412 183 710 0000	00	6.3	1.4	100	100	7	5		B8D	P
XR7	412 873 180 0000	00	6.3	2	100	100	7.5	5.5		B8D	P
XR8	482 803 180 0000	00	6.3	2.5	100		8	4.2		B8D	T
XR9	852 113 480 0000	00	6.3	1.8	100		8.5	5		B8B	TT
XSG	742 300 000 0000	80	2	1	150	60	1.4	0.7		Sm4	P
XSG1.5V	742 300 000 0000	80	1.5		50	30	0.5	0.3		Sm4	P
XSG2.0V	742 300 000 0000	80	2		60	30	0.6	0.4		Sm4	P

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _{g2}	V _{g3}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
XCC189	851 238 410 0000	00	4.5	1.2	90		15	12.5		B9A	TT
XCF80	857 238 114 0000	00	4.5	2	100		14	5		B9A	TP
XCF82	857 238 114 0000	00	4.8	1	150		18	8.5		B9A	TP
XCL82	415 238 718 0000	00	8	0	100		3.5	2.5		B9A	TP
XCL84	481 238 157 0000	00	7.8	1.7	200		3	4		B9A	TP
				2.9	200	200	18	10.4			
XCL85	841 238 715 0000	00	8.6	0.8	100		5	6.5		B9A	TP
XCL86	417 238 158 0000	00	7.5	1.7	200	150	41	7.5		B9A	TP
XD	842 300 000 0000	00	2	1.5	75		0.7	0.8		Sm4	T
XD1.5V	842 300 000 0000	00	1.5		50		0.4	0.4		Sm4	T
XD2.0V	842 300 000 0000	00	2	1	60		0.5	0.6		Sm4	T
XE2	823 000 000 0000	00	1.2	2.9	12		0.1	0.1		B3G	T
XE4	823 000 000 0000	00	1.2	2	12		0.2	0.1		B3G	T
XF80	141 230 871 0000	00	3.4	2	200	175	10	7.2		B9A	P
XF85	141 230 871 0000	00	3.4	2	250	100	10	6		B9A	P
XF86	701 238 014 0000	00	2.5	2	250	150	3	2.3		B9A	P
XF94	412 387 100 0000	00	3.1	1	250	150	10.8	5.2		B7G	P
XF183	141 230 871 0000	00	3.6	2	200	90	12	12.5		B9A	P
XF184	141 230 871 0000	00	3.6	2.5	200	200	10	15		B9A	P
XFG1	824 300 000 0000	00	1.5		40		1.5			B5A	T
XFR1	872 430 000 0000	00	1.2		40	40	3	2		B5A	P
XFR2	872 430 000 0000	00	1.2		60	60	1.8	1.1		B5A	P
XFR3	824 300 000 0000	00	1.2	5	150		4	1.7		B5	T
XFR5	872 430 000 0000	00	1.2		60	60	1.8	1.1		B5A	P
XFW10	873 420 000 0000	00	0.6		20	20				B5A	P
XFW20	872 430 000 0000	00	0.6		20	20				B5A	P
XFW30	873 420 000 0000	00	0.6		20	20				B5A	P
XFW40	873 420 000 0000	00	0.6		20	20				B5A	P
XFW50	873 420 000 0000	00	0.6		20	20				B5A	P
XFY10	873 420 000 0000	00	1.2	1.3	20	20	0.5	0.4		B5A	P
XFY11	873 420 000 0000	00	1.2		20	20	0.3	0.4		B5A	P
XFY12	873 420 000 0000	00	1.2	0.5	20	20	0.3	0.4		B5A	P
XFY14	873 420 000 0000	00	1.2	6.5	60	60	3.1	0.6		B5A	P
XFY15	873 420 000 0000	00	1.2	6.5	60	60	3	0.6		B5A	P
XFY20	873 420 000 0000	00	0.6		20	20				B5A	P
XFY21	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
XFY22	873 420 000 0000	00	1.2	1.2	20	20	0.3	0.4		B5A	P
XFY23	873 420 000 0000	00	1.2	2	20	20	0.4	0.3		B5A	P
XFY31	873 420 000 0000	00	1.2		20	20	0.4	0.4		B5A	P
XFY32	873 420 000 0000	00	1.2	1.5	20	20	0.4	0.3		B5A	P
XFY33	873 420 000 0000	00	1.2	2	20	20	0.4	0.3		B5A	P
XFY34	873 420 000 0000	00	1.2	4	40	40	1.5	0.6		B5A	P
XFY35	873 420 000 0000	00	1.2	1.5	40	40	0.7	0.6		B5A	P
XFY41	873 420 000 0000	00	1.2	1.2	40	30	0.3	0.4		B5A	P
XFY43	873 420 000 0000	00	1.2	2	20	20	0.4	0.3		B5A	P
XFY51	873 420 000 0000	00	1.2		20	20	0.2	0.3		B5A	P
XFY53	873 420 000 0000	00	1.2	3	20	20	0.5	0.3		B5A	P
XFY53M	873 420 000 0000	00	1.2	3	20	20	0.5	0.3		B5A	P
XFY54	873 420 000 0000	00	1.2	2	20	20	0.3	0.3		B5A	P
XH2.0V	842 300 000 0000	00	2	1	60		0.5	0.6		Sm4	T
XHP1.5V	284 830 000 0000	50	1.5	4.5	50		1.7	0.7		Sm5	TT
				0	50		0.5	0.5			
XL	842 300 000 0000	00	2	1.5	75		1.5	0.9		Sm4	T
XL01.5	842 300 000 0000	00	1.5	1	60		0.9	0.7		Sm4	T
XL01.5V	041 230 807 0000	00	8	7.3	250	250	48	11.3		B9A	P
XL1.5	842 300 000 0000	00	1.5	1	60		0.7	0.6		Sm4	T

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{s1}	V _a	V _{s2}	I _a mA	g _m mA/V	ADDENDA	BASE	TYPE	
XL2.0V	842 300 000 0000	00	2	1	60		1	0.8				
XL36	842 300 000 0000	00	1.5	4.5	50		1.7	0.7		Sm4	T	
XL84	802 384 100 0000	00	2	1	50		1.1	0.9		Sm4	T	
XL86	020 740 310 0000	80	12.8	8.3	100	100	77	11		B7G	T	
XP	842 300 000 0000	0C	2	4.5	100		9.5	1		A08	P	
										Sm4	T	
XP1.5V	842 300 000 0000	00	1.5	4	60		1.8	0.8				
XP2	842 300 000 0000	00	2	4.5	75		4	1		Sm4	T	
XR2	208 037 240 0000	00	1.2	7.5	150	125	7	1.9		B8D	P	
XR4	208 037 240 0000	00	1.2	7.5	150	125	7	1.9		B8D	P	
XVS2.0V	742 300 000 0000	80	2		60	30	0.4	0.3		Sm4	P	
XW1.5	274 830 000 0000	00	1.5		60	30	0.7	0.5				
XW2.0V	274 830 000 0000	00	2		60	50	0.9	0.6		Sm5	P	
XW075A	873 420 000 0000	00	0.6		40	30	0.3	0.2		Sm5	P	
XW075B	873 420 000 0000	00	0.6		40	30	0.2	0.2		B5A	P	
XXB	208 458 320 0000	00	1.4		90		4.5	1.4		B5A	P	
										B8B	TT	
XXD	218 458 130 0000	00	12.5	10	250		9	2.1		B8B	TT	
XXFM	284 19X 13C 0000	00	6.3	2	250		1.5	1.5		B8D	DDT	
XXL	280 004 130 0000	00	6.3	8	250		8	2.3		B8B	T	
XY	274 830 000 0000	00	2	3	75	75	4	1.2		Sm5	P	
XY1.4A	873 420 000 0000	00	1.4	4.5	40	40	1.8	0.5		B5A	P	
XY1.4B	873 420 000 0000	00	1.2	4.5	40	40	1.6	0.6		B5A	P	
XY1.4C	873 420 000 0000	00	1.2	1.5	40	40	0.5	0.5		B5A	P	
XY1.5	274 830 000 0000	00	1.5	1.5	40	40	1.7	1.0		Sm5	P	
XY2.0V	248 730 000 0000	00	2	2	60	50	1.7	1.4		Sm5	P	
XY14B	873 420 000 0000	00	1.2	4.5	40	40	0.3	0.6		B5A	P	
XY14CC	873 420 000 0000	00	1.2	1.5	40	40	0.5	0.5		B5A	P	
XY88	000 230 009 0000	10	16				120			B9A	R	
Y13	047 231 800 0000	00	13	20	250	250	40	3.9		B7	P	
Y25	400 230 080 0000	00	1.4	34	250		0.09		Ra=2.2MΩ Ra=1MΩ	B8A	TI	
Y61	028 740 310 0000	00	6.3	22	250	250	0.2			A08	TI	
Y62	028 740 310 0000	00	6.3	22	250	250			Ra=1MΩ Ra=1MΩ Ra=1MΩ Ra=1MΩ Ra=1MΩ	A08	TI	
Y63	028 740 310 0000	00	6.3	22	250	250	0.2			A08	TI	
Y64	028 740 310 0000	00	6.3	22	250	250				A08	TI	
Y65	028 740 310 0000	00	6.3	11	250	250				A08	TI	
Y220	842 300 000 0000	70	2	4.5	150	150	10.5	2.5		B4	P	
Y220	842 370 000 0000	00	2	4.5	150	150	10.5	2.5		B5	P	
Y230	842 370 000 0000	00	2	3	150	150	5			B5	P	
YA1000	230 232 032 0000	80	4				180			B9A	R	
YC88	414 234 484 0000	00	2.6		150		12.5	14		B9A	T	
YC95	142 380 100 0000	00	2.2	1.2	200		10	10.5		B7G	T	
YCC89	148 235 118 0000	00	4.8	1.9	100		15	12		B9A	TT	
YCL82	415 238 718 0000	00	10.8	0	100		3.5	2.5		}	B9A	TP
					200	150	41	7.5				
YCL84	481 238 157 0000	00	10.8	1.7	200		3	4			B9A	TP
					200	150	18	11				
YCL86	417 238 158 0000	00	10	1.7	250		1.2	1.6		}	B9A	TP
					7	250	250	36	10			
YD2	842 300 000 0000	00	2	4.5	150		6	3		B4	T	
YP183	141 230 871 0000	00	4.2	2	200	100	12	12.5		B9A	P	
YP184	141 230 871 0000	00	4.2	2.5	200	200	10	15		B9A	P	
YL84	041 230 807 0000	00	8	7.3	250	250	48	11.3		B9A	P	
YL86	041 230 807 0000	00	8	12.5	200	200	75	10		B9A	P	
YL1000	014 237 188 0000	00	1.1		100	100	30	4.3		B9A	P	
YL1000	014 327 188 0000	00	1.1	6.5	125	125	30	4.3		B9A	P	
YL1020	247 105 200 0000	88	1.6		300	250	40	4		B7A	PP	
YL1030	247 305 200 0000	88	2.1		200	200	30	4.5		B7A	PP	
YL1060	247 135 200 0000	88	6.3	15	300	250	95	5		B7A	PP	
YL1080	425 238 782 0000	00	1.6		200	200	30	3.3		B9A	PP	
YL1130	423 878 324 0000	00	1.1		200	200	40	7		B9A	PP	
YL1150	701 423 100 0000	8C	12.6		400	250	100	35		B7A	P	

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V _f	V _{g1}	V _g	V _{g2}	-I _a mA	g _m mA/V	ADDENDA	BASE	TYPE
YL1190	431 878 235 0000	00	1.1		150	150	45	9.5		B9D	PP
YL1200	247 811 300 0000	00	12.6	18	100	250	100			B7A	P
YL1240	415 228 783 0000	00	6.7		400	200	30	3.3		B9A	PP
YI88	000 230 009 0000	10	22				180			B9A	R
Z14	038 700 200 0000	40	1.4	1	100	100	0.5	0.6		A08	P
Z21	742 300 000 0000	80	2	1	150	150	1.1	1.2		B4	P
Z21	041 230 700 0000	80	2	1	150	150	1.1	1.2		B7	P
Z22	041 230 700 0000	80	2		150	150	2.5	1.4		B7	P
Z22Met	041 230 700 0000	80	2		150	150	2.5	1.4		B7	P
Z26	047 231 800 0000	00	26	5.5	250	250	32	7.5		B7	P
Z62	028 710 310 0000	40	6	2	300	150	10	7.5		A08	P
Z63	028 710 310 0000	40	6	3	250	100	2	1.2		A08	P
Z66	028 710 310 0000	40	6	1.5	200	200	10.9	8.5		A08	P
Z73	028 710 310 0000	40	6.3	3	250	100	6.5	1.7		A08	P
Z77	412 381 700 0000	00	6	2	250	250	10	7.5		B7G	P
Z90	278 101 403 0000	00	6.3	2	250	250	10	6		B9G	P
Z142	280 174 130 0000	00	21	2	200	200	10	8.5		B8A	P
Z145	281 714 130 0000	00	22	1.8	200	200	10	9		B8A	P
Z150	280 174 130 0000	00	6.3	2	250	250	10	9.5		B8A	P
Z152	141 230 871 0000	00	6.3	2	200	200	10	7.4		B9A	P
Z220	842 370 000 0000	00	2	7.5	150	150	15	2		B5	P
Z220	842 300 000 0000	70	2	7.5	150	150	15	2		B4	P
Z309	141 223 871 0000	00	6.3	2	250	250	20	15		B9A	P
Z319	141 231 877 0000	00	6.3	2	350	250	12.5	11.5		B9A	P
Z329	141 230 871 0000	00	7.3	1.9	200	175	10	8.8		B9A	P
Z359	141 230 871 0000	00	12	2	250	250	20	15		B9A	P
Z719	141 230 871 0000	00	6.3	2	200	175	10	7.4		B9A	P
Z749	141 230 871 0000	00	6.3	1.9	200	175	10	9.2		B9A	P
Z729	701 238 014 0000	00	6.3	1	250	100	2	1.8		B9A	P
Z759	141 023 871 0000	00	6.3	2	250	250	15	15		B9A	P
ZD	9X2 310 000 0000	00	13							B5	DD
ZD2	842 300 000 0000	00	2	12	150		7	1		B4	T
ZD17	209 784 300 0000	00	1.4	1	90	90	2.7	0.6		B7G	DP
ZD25	209 784 300 0000	00	1.4	1.5	60	60	0.2	0.2		B7G	DP
ZD152	741 238 9X1 0000	00	6.3	2	250	90	5	2.2		B9A	DDP

APPENDIX I

Test Data for Russian Valves

VALVE TYPE	SELECTOR SWITCH NUMBER	TOP CAP	V_f	V_{g1}	V_a	V_{g2}	I_a mA	g_m mA/V	ADDENDA	BASE	TYPE
1B1P	209 784 300 0000	00	1.2	0	60	40	1.0	.25		B7G	P
1K1P	287 024 300 0000	00	1.2	0.5	60	40	1.7	.65		B7G	P
2P1P	284 738 200 0000	00	1.2	3.5	60	60	2.8	0.9		B7G	P
6K1P	412 387 100 0000	00	6.3	3	250	100	6.7	1.85		B7G	P
6B2P	472 389 100 0000	00	6.3	1.5	250	100	6.5	2.0		B7G	DP
6K4P	412 387 100 0000	00	6.3	1.0	250	100	11	4.4		B7G	P
6Zh1P	412 387 100 0000	00	6.3	2.2	125	125	5.5	3.55		B7G	P
6Zh2P	412 387 100 0000	00	6.3	2.2	125	125	7.5	5.2		B7G	P
6Zh3P	412 387 100 0000	00	6.3	2	250	150	7	5		B7G	P
6Zh4P	412 387 100 0000	00	6.3	1	250	100	11	4.4		B7G	P
6Zh5A	412 387 100 0000	00	6.3	2.0	250	100	10	9		B7G	P
G837	207 411 300 0000	80	12.6	85	400		60	3.5		B7G	P
6S1P	812 384 100 0000	00	6.3	7	250		6.3	2.2		B7G	T
6S2P	412 344 800 0000	00	6.3	1.0	100		10	11		B7G	T
6N15P	882 345 100 0000	00	6.3	2	100		8.5	5.6		B7G	TT
6N1P	841 238 410 0000	00	6.3	4.8	250		8	4.3		B9A	T
6N2P	841 228 413 0000	00	6.3	1.5	250		2.3	2		B9A	T
6Kh2P	192 310 X00 0000	00	6.3				5			B7G	RR
6P4P	902 310 X00 0000	00	6.3				30			B7G	RR
6P2P	412 387 100 0000	00	6.3	5.5	125	125	35	8		B7G	P
6P1P	871 238 417 0000	00	6.3	12.5	250	250	45	4.5		B9A	P

APPENDIX II.

Test Data for High Voltage Rectifiers.

The following procedure should be adopted when testing high voltage rectifiers.

Make insulation checks with valve cold and hot as stated in paragraphs 1 and 2 of the Abbreviated Working Instructions.

Then set Anode and *Screen* Voltage switches to their minimum value (i.e. 20) and Anode Current Controls to figure shown in Data column. With Circuit Selector set to TEST and Anode Selector at A₁ increase Anode Volts setting until indicating meter reads in a forward direction.

The setting of the Anode Voltage switch for a good valve should not exceed the figure given in column headed Anode Volts.

When checking full wave or voltage doubler rectifiers, check second Anode with Anode Selector at A₂.

NOTE the valve should be heated to working temperature before setting Circuit Selector to position TEST and only left at this position for sufficient time to take a reading.

VALVE	SELECTOR SWITCH No.	T.C.	Vf.	Anode Volts (Max.)	Ia mA (Min.)	Valve Holder	Type	REMARKS
1B3	020 000 300 0000	80	1.25	200	6	A08	R	
1Z2	232 232 300 0000	80	1.4			B7G	R	
2V3	020 000 300 0000	80	2.5			A08	R	
2V3G	020 000 300 0000	80	2.5			A08	R	
2X2	200 300 000 0000	80	2.5	100	10	UX4	R	
2Y2	200 300 000 0000	80	2.5	100	10	UX4	R	
3B24	320 200 000 0000	80	2.5	60	10	UX4	R	
6W2	230 000 000 0000	80	6	100	9	Nil	R	
225DU	082 323 000 0000	00	2	40	20	B7	RR	
	002 323 800 0000	00						
405BU	802 300 000 0000	00	4	40	20	B4	RR	
	082 300 000 0000	00						
732A	230 300 000 0000	80	2.5	60	10	UX4	R	
879	200 300 000 0000	80	2.5	100	10	UX4	R	
1876	123 000 800 0000	00	4			8SC	R	
1877	002 300 000 0000	80	4	100	10	B4	R	
8016	020 000 300 0000	80	1.25	200	6	A08	R	
8020	200 300 000 0000	80	5	100	22	B4	R	
CB230	320 200 000 0000	80	2.5	60	10	UX4	R	
EY51	230 000 000 0000	80	6	100	9	B3G	R	
HVR2	002 300 000 0000	80	4	100	10	B4	R	
HVR2A	002 300 000 0000	80	2	100	10	B4	R	
R12	230 000 000 0000	80	6.3	100	9	B3G	R	
SU61	230 000 000 0000	80	6.3	100	9	B3G	R	
SU2150	002 300 000 0000	80	2	60	4	B4	R	
SU2150A	002 300 000 0000	80	2	200	50	B4	R	
U17	002 300 000 0000	80	4	40	35	B4	R	
U19	002 300 000 0000	80	4	40	70	B4	R	
U21	002 300 000 0000	80	2	60	4	B4	R	
U22	200 000 030 0000	80	2	60	4	M08	R	
U23	002 300 000 0000	80	4	40	100	B4	R	
U24	020 000 300 0000	80	2	20	0.5	A08	R	
U41	020 300 000 0000	80	1.25	200	6	A08	R	
U43	230 000 000 0000	80	6.3	100	9	Nil	R	
U151	230 000 000 0000	80	6.3	100	9	Nil	R	
V21/7000	002 300 000 0000	80	4	100	10	B4	R	
V960	002 300 000 0000	80	4	80	90	B4	R	
V1906	002 300 000 0000	80	4	60	100	B4	R	
V1907	002 300 000 0000	80	4	150	70	B4	R	
V1913	002 300 000 0000	80	4	40	100	B4	R	
V1920	002 300 000 0000	80	4	100	90	B4	R	
VL51	002 300 000 0000	80	4	100	10	B4	R	
CV317	322 322 222 0000	80	4	60	80	B9G	R	
CV121	002 300 000 0000	80	4	100	90	B4	R	

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